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DEPARTMENT OF DEFENSE  
DEPARTMENT OF THE AIR FORCE  
INFORMATION TECHNOLOGY PROGRAM  
FY 1995 BUDGET ESTIMATE

EXHIBITS

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## EXECUTIVE SUMMARY

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**DEPARTMENT OF THE AIR FORCE  
FY 1995 PRESIDENT'S BUDGET  
INFORMATION TECHNOLOGY PROGRAM**

**GENERAL NARRATIVE**

The Air Force Information Technology Program provides the resources to maintain existing minimum-essential information systems necessary for Air Force combat missions; and to continue development to capitalize on the increased productivity and efficiency gained from information technology. This budget also reflects Department of Defense decisions to implement recommendations of the Defense Management Review. It supports the Department's initiatives for Corporate Information Management (CIM) Systems.

Because of the special analysis nature of this budget, not all figures are separately identifiable in the formal budget submission.

Figure 1 and the associate terms of reference listed below illustrate the Air Force Information Technology Program.

**BASE PHONE**

- Connectivity to public and host nations' telephone systems world-wide.
- Funds to operate and maintain existing base telephone systems.
- Includes resources for administrative switchboard systems, non-tactical radio systems, wire communication service, official tolls, class B tolls, and reimbursables.

**LEASED CIRCUITS**

- Provides connectivity to command and control systems and other management information systems. Includes dedicated and common user circuits.
- Includes resources for commercial communications systems and networks.

**COMMAND AND CONTROL**

- Systems integral to war fighting capability.
  - e.g., World-Wide Military Command and Control System, Strategic War Planning System, Tactical Air Control System, Airborne Warning and Control System, Air Force Command and Control System.

## **RESEARCH & DEVELOPMENT**

- Data processing and management information systems to research and development community.

- e.g., Support to Armament Division, Aeronautical Systems Division, and Air Force Weapons Laboratory.

## **INFRASTRUCTURE**

- Provides systems necessary to operate and maintain mission essential systems at base level.

- Includes CIM functional areas of Reserve Components, Information Management Resources, Acquisition, Information Management Technical Infrastructure, Compliance, Planning, Programming, Budget & Support Services.

- Supports base level systems, i.e., security police, civil engineers, supply, aircraft maintenance.

## **CORPORATE**

- Includes programs which are under the direction of Department of Defense Executive Agents for CIM systems.

- e.g., Requirements Data Bank, Air Force Equipment Management System, Stock Control & Distribution System, Contracting Data Management System, Enhanced Transportation Automated Data System.

- Includes CIM function areas of Human Resources, Health, Finance, Procurement, Materiel Resources, Drug Enforcement, Intelligence, External Liaison, Legal, Policy, and Implementation.

Figure 2 compares modernization/development to operations and support.

## **MODERNIZATION/DEVELOPMENT**

- Includes program costs for new information systems that are planned or under development. Also includes any change or modification to an existing system which results in improved capability or performance.

- Funds essential modifications to keep operational systems viable due to changes caused in mission, threat, legal and other facts of life.

## **OPERATIONS AND SUPPORT**

- Represents the cost of existing systems as currently configured without further changes or expansions of existing capabilities to new users.

- Corrective software maintenance which includes efforts to diagnose and correct actual error in the operational system.

- Includes personnel whose principal duties relate to the general management of information technology.

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# FY 1995 PRESIDENT'S BUDGET

## FUNCTIONAL DISTRIBUTION

FY 95 (\$1.792B)

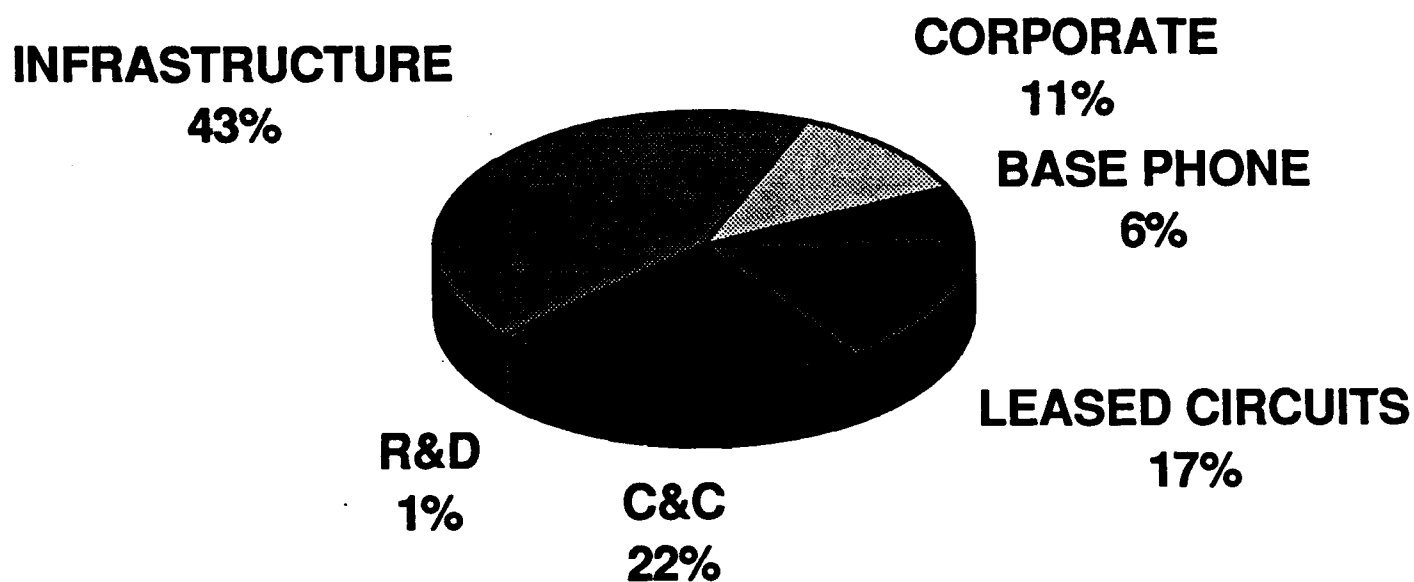
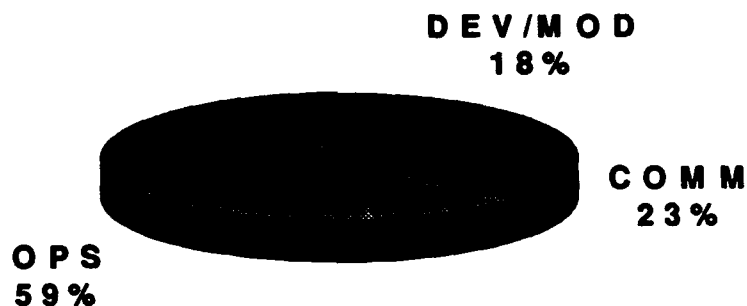


Figure 1

# **FY 1995 PRESIDENT'S BUDGET**

## **CATEGORY**

**FY 95 (\$1.792B)**



**Figure 2**

**EXHIBIT 43A**  
**REPORT ON INFORMATION SYSTEMS**



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REPORT ON INFORMATION SYSTEMS  
DEPARTMENT OF DEFENSE  
DEPARTMENT OF THE AIR FORCE  
FY 1995 PRESIDENT'S BUDGET  
(in thousands of dollars)

AS OF: MAR 94

FIN, MIX OR NON	% FIN IF MIX	NEW, REP OR UPGRADE	SYSTEM TO BE REPLACED	% UPGRADE	FY93 OBS	FY94 OBS	FY94 WORKYEARS	FY95 OBS	FY95 WORKYEARS
STRATEGIC WAR PLANNING SYSTEM (SWPS), 001									
NON	NA	NA	NA	NA	44,288	33,590		17,631	
WEAPON SYSTEM MANAGEMENT INFORMATION SYSTEM (WSMIS), 002									
NON	NA	NA	NA	NA		1,107		1,114	
CONTRACTING DATA MANAGEMENT SYSTEM (CDMS), 003									
NON	NA	NA	NA	NA	3,573	2,311	3	1,796	3
REQUIREMENTS DATA BANK (RDB), 004									
NON	NA	NA	NA	NA	24,351	20,358	19	12,186	19
DEPOT MAINTENANCE MANAGEMENT INFORMATION SYSTEM (DMMIS), 007									
NON	NA	NA	NA	NA	34,320	865	18	845	18
LOCAL AREA NETWORK (LAN), 008									
NON	NA	NA	NA	NA		2,280		760	
RELIABILITY & MAINTAINABILITY INFORMATION SYSTEM (REMIS), 012									
NON	NA	NA	NA	NA	10,318	10,151	11	544	11
AIR FORCE EQUIPMENT MANAGEMENT SYSTEM (AFEMS), 013									
NON	NA	NA	NA	NA	7,857				
CHEYENNE MOUNTAIN UPGRADE DEVELOPMENT, 015									
NON	NA	NA	NA	NA	65,348	44,706	21	11,340	21
COMMAND AND CONTROL INFORMATION PROCESSING SYSTEM (C2IPS), 016									
NON	NA	NA	NA	NA	2,903			3,082	
CORE AUTOMATED MAINTENANCE SYSTEM (CAMS), 017									
NON	NA	NA	NA	NA	2,377	4,387	69	4,325	69

FIN, MIX OR NON	% FIN IF MIX	NEW, REP OR UPGRADE	SYSTEM TO BE REPLACED	% UPGRADE	FY93 OBS	FY94 OBS	FY94 WORKYEARS	FY95 OBS	FY95 WORKYEARS
COMBAT AMMUNITION SYSTEM (CAS), 019									
NON	NA	NA	NA	NA	11,159	10,937	50	15,540	50
AF COMMAND AND CONTROL SYSTEM (APC28), 020									
NON	NA	NA	NA	NA	11,412	14,513	41	20,399	41
PERSONNEL CONCEPTS III (PC III), 021									
NON	NA	NA	NA	NA	31,211	4,536		1,700	
GLOBAL TRANSPORTATION NETWORK (GTN), 022									
NON	NA	NA	NA	NA	4,157				

FIN, MIX OR NON	6 FIN IF MIX	NEW, REP OR UPGRADE	SYSTEM TO BE REPLACED	6 UPGRADE	FY93 OBS	FY94 OBS	FY94 WORKYEARS	FY95 OBS	FY95 WORKYEARS
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CENTRAL PROCUREMENT ACCOUNTING SYSTEM (CPAS), FAP									
FIN	NA	NA	NA	NA		413	9	329	7

AF STANDARD CIVILIAN AUTOMATED PAY SYSTEM (AFSCAPS), 112									
FIN	NA	NA	NA	NA	525	25		95	

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**EXHIBIT 43B**  
**ACQUISITION PLANS**

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## RESEARCH & DEVELOPMENT

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**DEPARTMENT OF THE AIR FORCE  
ACQUISITION PLANS  
FY 1995 BUDGET ESTIMATE  
(in thousands of dollars)**

**COMMAND AND CONTROL**

**MAJOR AUTOMATED INFORMATION SYSTEMS**

**Strategic War Planning System , 001**

**Item: Capital Investment**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	14720	2808	4321	10773	16053	515

**Description:** Provides replacement of outdated TRICOMS computer hardware and support equipment that are no longer maintainable or are incompatible with existing software programs to include: mainframes, mass storage devices, dedicated workstations, personal computers/terminals, classified war planning local area network equipment, and command center force route planning printers/plotters.

**Requirements Contract:** No

**Item: Commercial Services**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	45492	43416	29396	27613	26449	26141

**Description:** Provides operating system hardware and software maintenance, application program software maintenance, software licenses, engineering services support and related operations and maintenance activities.

**Requirements Contract:** NO

**Weapon System Management Information System (WSMIS), 002**

**ITEM: Acquisition of Hardware and System Maintenance**

<b>OBLIGATIONS:</b>	<b><u>FY 94</u></b>	<b><u>FY 95</u></b>	<b><u>FY 96</u></b>	<b><u>FY 97</u></b>	<b><u>FY 98</u></b>	<b><u>FY 99</u></b>
	4507	4114	3867	3966	4012	3961

**DESCRIPTION:** Purchase of updated hardware and maintenance of system.

<b>H/W MAINT:</b>	1300	1300	1337	1378	1419	1461
<b>S/W MAINT:</b>	2100	1700	1749	1802	1856	1910

**Requirements Contract:** No

**Cheyenne Mountain Upgrade, 015**

**Item: Cheyenne Mountain Upgrade Acquisitions**

<b>Obligations:</b>	<u><b>FY 94</b></u>	<u><b>FY 95</b></u>	<u><b>FY 96</b></u>	<u><b>FY 97</b></u>	<u><b>FY 98</b></u>	<u><b>FY 99</b></u>
	40599	8066	8059	4501	4527	4566

**Description:** Purchases computers, peripherals, power units and other hardware for CMU program

**Requirements Contract:** No

**Item: Other Cheyenne Mountain Upgrade Funding**

<b>Obligations:</b>	<u><b>FY 94</b></u>	<u><b>FY 95</b></u>	<u><b>FY 96</b></u>	<u><b>FY 97</b></u>	<u><b>FY 98</b></u>	<u><b>FY 99</b></u>
	2338	2062	2100	1937	1303	1570

**Description:** Provides funding for site preparation, subprogram integration, software development, software analysis, POT&E for CMU programs.

**Requirements Contract:** No

**Command & Control Information Processing System (C2IPS), 016**

**Item: AMC Command and Control Information Processing System (C2IPS)**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	11890					

**Description:** Purchase research and development services to establish and maintain a distributive network to provide AM's command and control information systems support the flow of minimum essential wartime command and control information.

**Requirements Contract:** No

**AF Command & Control System (AFC2S), 020**

**Item: Contractor services, commercial training, and other general commercial support services in the Tactical Intelligence Processing & Interpretation (TIPI) Systems arena.**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1290	1180	1180	1180	1180	1180

**Description:** Provides contractor support for services, training and general commercial support for TBM (previously Constant Watch) bringing it to a fully operational, theater-wide system.

**Requirements Contract:** No

**Item: Air Force Command and Control Systems (AFC2S)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	12537	416	110	115	120	125

**Description:** The AFC2S program is a high priority effort to modernize Air Force standard and command-unique command and control systems. AFC2S will provide timely, accurate and consistent C2 information to war planners and top-level decision makers, correcting major weaknesses in our conventional war planning and execution process. These improvements will apply to the full range of Air Force C2 functions to include force availability, modernization, airlift and deployment, air refueling, manpower, logistics, munitions, and communications.

**Requirements Contract:** No

**Item: Equipment purchases.**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	4704	4684	4540	4496	4640	4776

**Description:** Supports systems integral to warfighting ability.

**Requirements Contract:** No

**NON-MAJOR AUTOMATED INFORMATION SYSTEMS**

**WWMCCS, 156**

**Item: Worldwide Military Command and Control System (WWMCCS)/156**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1460	1063	1205	1040	1017	1040

**Description:** The WWMCCS computer system supports the C2 needs of the National Command Authority (NCA) and USAFE Battle Staff from threat assessment and target identification to unit C2 requirements and provides support to MAJCOM management support functional areas, such as: cost accounting, engineering, medical and legal reporting, logistical inventory tracking, and general administrative management.

<b>Hardware Maint</b>	935	800	800	800	775	800
<b>Software Maint</b>	323	263	250	235	237	235

**Requirements Contract:** No

**Item: World-Wide Military Command and Control System (WWMCCS)**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

718    1198    1344    983    869    906

**Description:** WWMCCS is the primary command and control computer system from the National Command Authority (NCA) down to the MAJCOM-level. The WWMCCS Intercomputer Network (WIN) is a joint network of nearly 40 main frame host computers deployed throughout the world and interconnected by the DSNET-2 packet switching network. This system is used to plan, coordinate, and execute command and control applications and to provide communication between the NCA, the services, unified and specified commands, and the component commands to ensure our forces are prepared to persecute war. This maintenance support is for the DPS 8000 main frame computers and associated user terminals.

**Hardware Maint:** 402    644    1005    796    729    763

**Software Maint:** 316    554    339    187    140    143

**Requirements Contract:** No

**Air Force WWMCCS ADP Modernization (AFWAM), 157**

**Item: World-Wide Military Command and Control System (WWMCCS)**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

3740    751    5687    3084    3168    3285

**Description:** WWMCCS is the primary command and control computer system from the National Command Authority (NCA) down to the MAJCOM-level. The WWMCCS Intercomputer Network (WIN) is a joint network of nearly 40 main frame host computers deployed throughout the world and interconnected by the DSNET-2 packet switching network. This system is used to plan, coordinate, and execute command and control applications and to provide communication between the NCA, the services, unified and specified commands, and the component commands to ensure our forces are prepared to persecute war. This maintenance support is for the DPS 8000 main frame computers and associated user terminals.

**Hardware Maint:** 218    182    1720    1833    794    823

**Software Maint:** 616    538    1194    967    2341    2431

**Requirements Contract:** No

**Wing Command & Control System, 180**

**Item: Air Force Wing Command and Control System (AFWCCS)**

**Obligations:    FY94    FY95    FY96    FY97    FY98    FY99**

**1883                    822    777    833    893**

**Description:** AF WCCS is an automated, secure, distributed wing-level command and control system that provides wing commanders/battle staffs with timely and accurate information for effective decision-making during exercises, contingencies, and war. The objective of WCCS is to increase sortie generation capability by providing the wing commander and his/her staff a composite picture of the wings resources. This picture will be provided by information either entered directly by the users or extracted from other base-level and force-level systems by automated interfaces (e.g., weather information, aircraft maintenance information and wing tasking information). AF WCCS is a deployable system using a distributed database linked by a base-wide local area network to ensure reliability and survivability.

**Requirements Contract: No**

**Item: Contingency TACS Automated Planning System**

**Obligations:    FY 94    FY 95    FY 96    FY 97    FY 98    FY 99**

**715    3707    4737    6199    6242    6586**

**Description:** Provides support for the installation of AF Wing and Command and Control Systems. WCCS is a secure deployable automated command and control decision support system that provides Wing commanders with effective battle management through enhanced resource management sortie generation and force employment capabilities. Funding also supports the Contingency Tactical Planning System (CTAPS) test bed and software support. These systems provide the capability for deployed communications-computer systems to prepare air tasking orders, targeting, intelligence, survivability, message processing, weapons deployment, air status, air frame status, mission analysis, and force regeneration.

**Hardware Maint:            3707    4737    6199    6242    6586**

**Requirements Contract: No**

**Item: Wing Command and Control Systems**

**Obligations:    FY 94    FY 95    FY 96    FY97    FY98    FY99**

**4043    4416    1692    3052    3118    3180**

**Description:** Provides implementation, hardware, and software maintenance of the Air Force WCCS in USAFE. WCCS site preparation and implementations of the new architecture using Sun-Sparc hardware is scheduled for RAF Lakenheath UK, Spangdahlem AB GM, and Ramstein AB GM.

**Hardware Maint    350    375    376    400    420    450**  
**Software Maint    301    365    350    375    387    325**

**Requirements Contract: No**



**Combat Communications, DCC**

**Item: Combat Communications/DCC**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1374	1364	1452	1443	1483	1522

**Description:** Sustains the 1 Combat Communications Squadron which maintains, deploys, and operates Tactical Air Traffic Control, Navigation Aids, Communications Systems, and Weather Facilities necessary to employ Tactical Air Forces. Provides tactical commanders with the communications and air traffic control systems necessary to plan, direct, and command and control tactical air operations under all field/wartime conditions.

<b>Hardware Maint</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1000</b>	<b>1050</b>	<b>1077</b>
<b>Software Maint</b>	<b>374</b>	<b>364</b>	<b>452</b>	<b>443</b>	<b>433</b>	<b>445</b>

**Requirements Contract: No**

**OL-A USAFETAC, NEA**

**Item: OL-A USAFETAC**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	5745	351	2571	158		

**Description:** Lifecycle replacement program to purchase hardware, software development, and software, peripherals, and communications to upgrade the computers located at OL-A USAF system analyst support to upgrade the computer processing capacity, mass storage, supporting Environmental Applications Center (USAFETAC), Asheville, NC. The acquisition is time phased. The system upgrades are designed to meet stated operational requirements of DOD agencies and high priority national programs.

<b>Hardware Maint:</b>	433	351	171	158
------------------------	-----	-----	-----	-----

**Requirements Contract: No**

**USAFETAC COMPLEX, NET**

**Item: USAFETAC Upgrade**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	232	9228	270	159		

**Description:** Lifecycle replacement program to purchase hardware, software development, and system analyst support to upgrade the computer processing capacity, mass storage, programmer terminals, operator consoles, supporting software, peripherals, and communications to upgrade the computers located at USAF Environmental Applications Center (USAFETAC), Scott AFB, IL. The system upgrades are designed to meet stated operational requirements of DOD agencies and high priority national programs.

<b>Hardware Maint:</b>	232	228	270	159
------------------------	-----	-----	-----	-----

Requirements Contract: No

**Computer Flight Plans, NGC**

**Item: Competitive Acquisition of the Advanced Computer Flight Plan System, the replacement of the CFP system at AFGWC**

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
	1283	2095	2200	552	900	1032

**Description:** Contractor hardware maintenance support, systems analyst support, software development and maintenance, and off-the-shelf software license fees to support the Advanced Computer Flight Plan (ACFP) Program at Air Force Global Weather Central (AFGWC), Offutt AFB NE which supports the Air Force computer flight planning needs of aircrews and mission planners during day-to-day and contingency operations and plans.

Hardware Maint:	266	375	400	519	375	507
Software Maint:	580	525	550	33	525	525

Requirements Contract: No

**Item: Computer Flight Plan (CFP) System Replacement**

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
					2089	

**Description:** This program funds the procurement of hardware and software necessary to replace the existing ACFP system at AFGWC and to improve CFP operational support capabilities.

Requirements Contract: No

**Satellite Data Handling System (SDHS), NGD**

**Item: Maintenance and operations of SDHS at AFGWC**

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
	5084	8391	8518	6767	7752	8079

**Description:** Contractor hardware maintenance support, systems analyst support, operations support, configuration management, test support, and off-the-shelf software license fees to support the Satellite Data Handling System (SDHS) at Air Force Global Weather Central (AFGWC), Offutt AFB, NE to support cloud analyses and forecasts to Air Force, Army, and DOD contingencies and high priority national programs.

Hardware Maint:	1726	3189	3353	2886	2890	2923
Software Maint:	1100	1400	1400	1500	1600	1700

Requirements Contract: No

**Item: Competitive Life-Cycle Replacement of SDHS Components at AFGWC (SDSHU)**

**Obligations:    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99**

**27958   3033   500**

**Description:** Purchase hardware, systems analyst support, and software development to replace components of the Satellite Data Handling System (SDHS) at Air Force Global Weather Central, Offutt AFB, NE. This program will replace aging equipment, reduce processing choke points, ingest satellite and radar data, and support work stations needed for support to DOD agencies and high priority national programs.

**Requirements Contract: No**

**Satellite Data Handling System (SDHS) II, NGH**

**Item: Replacement of SDHS Hardware and Add New Operational Capabilities to the SDHS Software**

**Obligations:    FY 94   FY 95   FY 96   FY97   FY 98   FY 99**

**7073**

**Description:** This program funds replacement of aging SDHS hardware which will be logistically insupportable in the late 1990s and add new operational capabilities to the SDHS software.

**Requirements Contract: No**

**System 3/5/6 Cloud Depiction and Forecasting System (CDFS), NGS**

**Item: Maintenance of three UNISYS computers, Systems 3/5/6 at AFGWC**

**Obligations:    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99**

**1659   2329   2337   2419   2505   2594**

**Description:** Contractor hardware maintenance support, systems analyst support, operations support, and off-the-shelf software license fees to support the operations of three UNISYS 1100/91 systems, known as Systems 3/5/6 at Air Force Global Weather Central (AFGWC), Offutt AFB, NE to support processing of cloud, temperature and precipitation analyses and forecasts in support to high priority national programs.

<b>Hardware Maint:</b>	<b>950</b>	<b>1590</b>	<b>1639</b>	<b>1685</b>	<b>1734</b>	<b>1785</b>
<b>Software Maint:</b>	<b>309</b>	<b>319</b>	<b>258</b>	<b>274</b>	<b>291</b>	<b>309</b>

**Requirements Contract: No**

**Weather Information Processing Systems/Advanced Weather Analysis and Prediction System (WIPS/WAPS), NGW**

**ITEM: Maintenance and Operations of the Weather Information Processing System (WIPS) at AFGWC**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99  
                    1606   5300   2481   2164   2909   3079

**Description:** Contractor hardware maintenance support, systems analyst support, operations support, off-the-shelf software license fees, training, and additional system and database machine hardware to support the UNISYS 2200/633 and Teradata systems at Air Force Global Weather Central (AFGWC), Offutt AFB, NE. The system is required to process additional meteorological data from new sources and to support increased operational requirements for weather analyses and forecasts in support of Air Force, Army, DOD, and high priority national programs and missions.

**Hardware Maint:** 580    1130    1164    1281    1457    1555  
**Software Maint:** 551    670    792    333    877    924

**Requirements Contract:** No

**Item: Air Force Weather Software Improvement Program (ASIP)**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99  
                    1009   1298            962    1442

**Description:** This program is designed to improve and document the approximately 1,480,000 lines of code in current use by the AFGWC Weather Information Processing System (WIPS) and computers located at the three Automatic Digital Weather Switches (ADWSs) at Carswell AFB TX, Croughton AB UK, and Hickam AFB HI. The concept is to award a series of software improvement contracts to industry to eventually upgrade the entire software system at these locations.

**Requirements Contract:** No

**Item: Maintenance of CRAY XMP Supercomputer at AFGWC**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99  
                    2216   2188   2448   2556   2446   2487

**Description:** Contractor hardware maintenance support, systems analyst support, operations support, off-the-shelf software license fees to support the operations of a CRAY XMP and two UNISYS 1100/72 systems at Air Force Global Weather Central (AFGWC), Offutt AFB, NE. This system supports the processing of cloud, temperature, and precipitation analyses and forecasts to support high priority DOD and national programs.

**Hardware Maint:** 1022    1416    1638    1705    1553    1549  
**Software Maint:** 1194    772    810    851    893    938

**Requirements Contract:** No

**Item: Competitive Replacement of HYPERchannel at AFGWC**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

2474    1308

**Description:** Purchase hardware, systems analyst support, and software development for the lifecycle replacement to the existing HYPERchannel communication link at Air Force Global Weather Central (AFGWC), Offutt AFB, NE. This program will replace the current communication system which reached data transfer saturation due to the addition of processors to the AFGWC network. This system is needed to meet the stated operational requirements of DOD agencies and high priority national programs.

**Requirements Contract:** No

**Item: Competitive Replacement of CRAY XMP Computer at AFGWC**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

4000

**Description:** Lifecycle replacement program for a supercomputer and front end processors to provide hardware maintenance support, systems analyst support, software conversion, and off-the-shelf software license fees to replace a CRAY XMP and two UNISYS 1100/72 systems at Air Force Global Weather Central (AFGWC), Offutt AFB, NE. This system will support improved processing of cloud, temperature, and precipitation analyses and forecasts in support of strategic and tactical requirements as well as high priority national programs.

**Requirements Contract:** No

**Air Force Space Forecast Center Complex, NSC**

**Item: Operations and Maintenance of the Air Force Space Forecast Center (AFSFC)**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

1379    1458    1550    1650    1750

**Description:** Contractor hardware maintenance support, systems analyst support, operations support, and off-the-shelf software license fees to support the operations of the Air Force Space Forecast Center, Falcon AFB, CO. This system supports the increased space-based missions of the DOD and other federal agencies.

Hardware Maint:	628	650	683	717	753
Software Maint:	179	200	220	240	260

**Requirements Contract:** No

**Mobile Command and Control System, PBC**

**Item: MCCS Acquisition and Development**

<b>Obligations:</b>	<u><b>FY 94</b></u>	<u><b>FY 95</b></u>	<u><b>FY 96</b></u>	<u><b>FY 97</b></u>	<u><b>FY 98</b></u>	<u><b>FY 99</b></u>
	4065	4213	4800	800	800	800

**Description:** Provides funding for system integration, software development, software analysis, software Independent Verification and Validation, security accreditation, and OT&E for MCCS program.

**Requirements Contract:** No

**Cheyenne Mountain Complex, PBB**

**Item: Cheyenne Mountain Training System**

<b>Obligations:</b>	<u><b>FY94</b></u>	<u><b>FY95</b></u>	<u><b>FY96</b></u>	<u><b>FY97</b></u>	<u><b>FY98</b></u>	<u><b>FY99</b></u>
	1354	8299	5059	503	856	815

**Description:** Various contractors to provide computer-based training systems hardware, to include workstations and simulators for Combat Crew Training.

**Requirements Contract:** No

**Item: Software Development and Integration**

<b>Obligations:</b>	<u><b>FY94</b></u>	<u><b>FY95</b></u>	<u><b>FY96</b></u>	<u><b>FY97</b></u>	<u><b>FY98</b></u>	<u><b>FY99</b></u>
	2848	2965	3230	2596	3616	3816

**Description:** Software development and integration for Integrated Test, Exercise and Training Systems.

**Requirements Contract:** No

**C2 CINCSTRAT Mobile Alternate Headquarters (CMAH), SAA**

**Item: Capital Investment**

<b>Obligations:</b>	<u><b>FY94</b></u>	<u><b>FY95</b></u>	<u><b>FY96</b></u>	<u><b>FY97</b></u>	<u><b>FY98</b></u>	<u><b>FY99</b></u>
	2205	2834	571	476	469	465

**Description:** Provides procurement/replacement for all computer, communications, and support systems to include: war planning and intelligence fusion systems, redundant communications systems to send/receive force management status and execution orders, power generation and distribution equipment, environment control systems, shelter equipment, and spares. Includes hardware components for CMAH to sustain current operations by replacing outdated equipment that are no longer maintainable or are incompatible with existing software programs and allows meeting revised JCS directed mission requirements. FY 96-99 funding is insufficient to meet requirements.

**Requirements Contract: No**

**Air Control Systems, TCB**

**Item: Joint Tactical Information Distribution System (JTIDS)**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

1686    1845    1814    1703    1747    1796

**Description:** JTIDS is a highly jam resistant, secure, digital information distribution system for use in theater combat environments. The system is structured to operate as an information distribution network into which combat elements transmit command and control, surveillance, position and status, and other mission essential information at specific time intervals. The system interconnects command, control, and surveillance platforms with associated ground, air, and naval combat elements. Equipment includes Class I terminals aboard E-3 aircraft and USAF/USA ASIT vans.

Hardware Maint:	302	835	869	827	850	874
Software Maint:	1384	1010	945	876	897	922

**Requirements Contract: No**

**Airborne Warning and Control System (AWACS), TAA**

**Item: AWACS**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

778    2469    1838    1826    1363    1558

**Description:** The AWACS is a modified Boeing 707 topped with a soft rotodome. The mission of AWACS is to provide airborne surveillance and airborne warning, command, control, and communications for strategic and theater operations. Funding will support an Electronic Support Measures (ESM) System, full HAVE QUICK II radios, JTIDS Class 2 upgrade, and a new CC2-E computer to replace the current CC-2.

Hardware Maint:	412	388	484	500	512	526
Software Maint:	366	2081	1354	1326	851	1032

**Requirements Contract: No**

## HUMAN RESOURCES

### MAJOR AUTOMATED INFORMATION SYSTEMS

#### Personnel Concept III (PC-III), 021

Item: Communications/Computer Equipment for Personnel Concept III (PC-III) at Air Force Bases Worldwide

Obligations: FY 94 FY 95 FY 96 FY 97 FY98 FY99

1000

Description: PC-III is an Air Force Military Personnel Center (AFMPC) program in its last year of a 3-year implementation to improve the quality and efficiency of personnel service at locations worldwide, including every Air Force base. Implementation will result in a manpower savings of 1432 spaces. Expected benefits: manpower savings \$609.9M; individual member savings \$392.5M; commander savings \$67.7M; electronic mail savings \$16.0M; forms reduction savings \$27.3M; cost avoidance savings \$7.7M; ANG savings \$34.0M; unit orderly room savings \$75.0M; and Personnel System Managers savings \$102.1M for a total savings of \$1,332.5M. Funding is for purchase and maintenance of equipment through use of the Standard Multiuser Small Computer Requirements Contract (SMSCRC). In terms of hardware, the system will be implemented at every Air Force base and consist of minicomputers, located at a central site, and end-point computers located in key locations on base with printers and terminals in the users' work areas. By the end of 1993, PC-III will reach full operational capability and O&M support will shift to the Personnel Data System (PDS).

Requirements Contract: Yes

Item: Operations and Maintenance (O&M) Support for PC-III

Obligations: FY 94 FY 95 FY 96 FY 97 FY 98 FY 99

5877 4907 5425 6893 6866 6847

Description: Purchase of hardware maintenance and software licenses for systems installed at all Air Force bases worldwide to support PC-III. Technical, application development and installation services are also included in the FY94 line.

Requirements Contract: Yes



## NON-MAJOR AUTOMATED INFORMATION SYSTEMS

### Personnel Data System 90 (PDS-90), 109

**Item:** Capital replacement of Central Site subsystems obsolete and costly equipment.

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY98   FY99  
                  2503   1469   935   979

**Description:** This program acquires hardware and software to replace inadequate and obsolete equipment which provides worldwide personnel management support of active Air Force, Air National Guard, Air Force Reserve, and civilian personnel at the Air Staff and HQ AFMPC. Replacement of current equipment (Tape Library, Network Processors) is necessary to reduce excessive hardware maintenance costs, achieve productivity enhancement, and ensure continued responsiveness to functional user requirements.

**Requirements Contract:** No

**Item:** Operations and Maintenance (O&M) Support for the Worldwide Personnel Data System

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY98   FY99  
                  3494   4045   3730   3877   4019   4164

**Description:** Purchase of hardware and software maintenance, and services for the PDS, which is supported by a network of Honeywell mainframe computers, minicomputers, communications interface processors, and peripherals used by the active Air Force, Air National Guard, Air Force Reserve, and civilian personnel at HQ AFMPC, Air Staff, Major Commands, and Field Operating Agencies. Over the years (1964 - Present), the Central site architecture has provided program and Air Staff managers with data and tools to enhance their programs and capabilities to support the total force while cutting costs. This architecture has resulted in tangible manpower savings as follows: BLPS-MIL 600, BLPS-RES 58, MICROFORM 60, APDS 74, APDS-CIV 101, PROMIS 130, APDS-MAJCOM 141, APDS-II 33.

**Requirements Contract:** No

### Automated Records Management System (ARMS), 9AA

**Item:** Capital replacement of Micrographics Master Personnel Records System

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY98   FY99  
                  3404   1172

**Description:** This program replaces the obsolete and labor-intensive Micrographics Master Personnel Records System at HQ Air Force Military Personnel Center (AFMPC), Randolph AFB, TX, and Air Reserve Personnel Center (ARPC) at Lowry AFB, CO, with an automated storage and retrieval system which utilizes efficient, cost-effective optical disk technology. The program returns 101 manpower positions.

**Requirements Contract:** No

**Item: Operations and Maintenance (O&M) Support for the Automated Records Management System (ARMS)**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY98</b>	<b>FY99</b>
	929	1431	833	893	898	907

**Description:** Purchase of hardware and software maintenance, and services for the ARMS systems. Software development and conversion actions by the implementing contractor is also included in FY94 and FY95 lines.

**Requirements Contract:** No

**PROMIS II, JPR**

**Item: PROMIS II**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	5938	139	172	165	170	176

**Description:** Procure a fully automated processing system to enhance Air Force Recruiting productivity. Acquiring integration of hardware and software through contractor services at lowest life-cycle costs. Completed system will allow Recruiting Service at all locations to more efficiently recruit high quality applicants by allowing one-time data capture of applicant information, automated forms generation, and job reservation.

<b>Hardware Maint:</b>	253	135	167	160	165	171
<b>Software Maint:</b>		4	5	5	5	5

**Requirements Contract:** No.

**Infrastructure, BAE**

**Item: Hardware/Software Maintenance**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	400	523	594	651	669	685

**Description:** Hardware/software maintenance, software license renewals, and for LAN "System" components.

**Requirements Contract:** No

**Item: Investment Costs**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	3127	1484	1821	1693	1736	1800

**Description:** Hardware/software purchases and contract services necessary for the installation of a basewide LAN.

**Requirements Contract:** No

**Micros & Peripherals, BAC**

**Item: Hardware/Software Maintenance**

<b>Obligations:</b>	<b><u>FY 94</u></b>	<b><u>FY 95</u></b>	<b><u>FY 96</u></b>	<b><u>FY 97</u></b>	<b><u>FY 98</u></b>	<b><u>FY 99</u></b>
	480	462	496	542	563	582

**Description:** Hardware maintenance contracts, software license renewals and contractor technical support.

**Requirements Contract:** No

**Item: Small ADPE Purchases**

<b>Obligations</b>	<b><u>FY 94</u></b>	<b><u>FY 95</u></b>	<b><u>FY 96</u></b>	<b><u>FY 97</u></b>	<b><u>FY 98</u></b>	<b><u>FY 99</u></b>
	1069	457	528	451	514	490

**Description:** New purchases of microcomputer and peripherals including software.

**Requirements Contract:** Yes

## INFORMATION MANAGEMENT TECHNICAL INFRASTRUCTURE

### MAJOR AUTOMATED INFORMATION SYSTEMS

#### Local Area Network, 008

Item: Equipment purchases.

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
	3830	3804	3660	3617	3762	3898

Description: The LANs will be used to provide connectivity between government owned PCs, file servers, etc., and AT&T 3B2 systems supporting BCAS and PC III programs. The LAN will provide communications connectivity among ANG Flying units, State Headquarters, Geographically Separated Units and the Military Personnel Center.

Requirements Contract: No

Item: System Maintenance

Obligations:	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	8715	10349				

Description: Develop a modern LAN at HQ AFMC and five Air Logistics Centers to provide connectivity between the various functional distributed logistics management systems in the MSC Modernization Program. This includes specialized network interface devices and software interfaces to convert protocols and control the media access, and installation of networking to support terminal to-computer and computer-to-computer applications in both homogeneous and heterogeneous equipment environments.

H/W MAINT:	5892	8606
S/W MAINT:	543	983

Requirements Contract: No

#### Intersite Gateway (ISG), 009

Item: System Maintenance

Obligations:	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
	1990	2753	3008	3309	3640	4004

Description: FOC system which supports the Automated Data Processing (ADP) systems for HQ AFMC.

H/W MAINT:	394	803	978	1056	1162	1278	1406
S/W MAINT:	653	1187	1746	1920	2112	2323	2555

Requirements Contract: No

## NON-MAJOR AUTOMATED INFORMATION SYSTEMS

### Defense Data Network, 150

Item: Defense Data Network (DDN)

Obligations:	FY94	FY95	FY96	FY97	FY98	FY99
	1626	1347	2092	2082	2075	2070

Description: DDN is evolving into the long haul data transfer system for all Air Force computer systems to include command and control, medical, logistics, and personnel systems. Connections to the network are assuming importance equal to long distance voice communication circuits leaving the base. Functionality provided is crucial to our war fighting capability. The Defense Message System (DMS) is aggressively transferring its message transfer activity from AUTODIN to the DDN backbone. This transfer will make the Air Force even more dependent upon the DDN. In support of the DMS program, the DDN PMO is providing support at bases worldwide involving base network infrastructure. The Air Force concentrators located on each base worldwide are key network entry points. Funding for their maintenance is absolutely necessary to insure communications connectivity for those operational users dependent upon systems connected to concentrators. Funding is necessary to provide modification to concentrators and network management systems to allow the use of the mandated open systems communications protocols and upgrade concentrator connection capabilities to reduce AF DDN connect charges.

Requirements Contract: No

### Defense Message System-Air Force, YMD

Item: Defense Message System-Air Force (DMS-AF)

Obligations:	FY94	FY95	FY96	FY97	FY98	FY99
	7819	15195	14208	14105	14200	12877

Description: The Defense Message System - Air Force (DMS-AF) is an OSD downward directed evolutionary architecture designed to replace the current collection of disjointed electronic message systems within the Air Force. The main feature of DMS-AF is the automation of Base Communications Centers (BCCs), the proliferation of a standard E-Mail Host at all bases, migration to Government Open Systems Interconnection Profile (GOSIP), implementation of a secure data network system, and the evolution of a mature writer-to-reader message service. The programs being replaced under the DMS-AF umbrella are: Air Force Automated Message Exchange (AFAMPE), Standard Remote Terminals (SRT) which are being replaced with Message Distribution Terminals (MDT), and the communications Support Processor (CSP). These existing communications programs are listed in the DMS-AF PMD0933 (2). Funding is required to purchase equipment and provide operational and maintenance support for the new systems required to replace the existing obsolete, manpower intensive and expensive-to-maintain systems. The DMS-GOSIP acquisition contract will support the Air Force as well as all other DOD Services/Agencies.

Requirements Contract: No

## **INFORMATION MANAGEMENT RESOURCES**

### **MAJOR AUTOMATED INFORMATION SYSTEM**

#### **Engineering Data Computer Assisted Retrieval System (EDCARS), 005**

**Item: Hardware/Software Maintenance**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	6086	6104	5445	2853	627	

**Description:** EDCARS is a fully operational system and scheduled for transition into the Navy Electronic Data Management Information and Control System

<b>Hardware Maint:</b>	2706	2912	2589	1263	197
<b>Software Maint:</b>	3320	3127	2791	1523	392

**Requirements Contract:** No

#### **Air Force Equipment Management System (AFEMS), 013**

**Item: Acquisition of System**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	7616	4736	5469	5487	5603	5613

**Description:** Acquisition for a single data system that replaces ten existing batch processed equipment data bases and provide HQ USAF, the Major Commands (MAJCOMs), and the Air Logistics Centers (ALCs) an on-line replacement for AFEMS. This acquisition includes dedicated hardware (to include communication lines and crypto), data base management system software, and application software to support equipment management processes/functions.

<b>Hardware Maint:</b>	33	33	33	33	33	33
<b>Software Maint:</b>	7583	4707	5436	5454	5570	5580

**Requirements Contract:** No

#### **HQ USAF Systems Replacement Program (HSRP), 018**

**Item: Operating System/Application Software Upgrades (Contract: GDS)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	5630	6038	7150	6553	7265	8647

**Description:** Vendors only support operating system and applications packages for a limited time following a new release. Software must be continually upgraded to ensure continued vendor support. Ongoing software development is also critical to meet evolving customer requirements in support of the Air Force Resource Allocation Process.

**Requirements Contract:** No

**Item: Hardware Maintenance (Contract: GDS)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	1702	1677	2385	1994	2353	2163

**Description:** Obsolete hardware and facility environmental control equipment must be replaced, augmented, or upgraded regularly in order to sustain consistently satisfactory customer support on the headquarters mainframe systems. Funds in this area also provide disaster recovery capability for these machines.

**Requirements Contract: No**

**Item: Capital Investment/Procurement (Contract: GDS)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	3880	3759	3478	4324	3958	5205

**Description:** Provides additional on-line data storage and memory capability, based on requirement increases of at least 20% per year. Allows for customer base and systems growth.

**Requirements Contract: No**

#### **NON-MAJOR AUTOMATED INFORMATION SYSTEMS**

**Cargo Movement Operations System (CMOS), 128**

**Item: Systems Hardware/Software Acquisition**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	800	1600	71	862	858	1170

**Description:** Purchase of ADPE and ORACLE RDBMS to support implementation of the Cargo Movement Operations System worldwide. Hardware and software maintenance. Adjustments to projected obligations and breakout of all items result from a revised Approved Program Baseline (APB) dated 22Jun 93 and a hardware decision analysis which directed the CMOS Program Management Office to change hardware server platforms. These changes impacted hardware/software acquisition and maintenance obligations as well as the obligations for contractual software development/engineering. Systems Analysis, Programming, Design, and Engineering. Miscellaneous Contractual Support and Engineering Services.

**Requirements Contract: No**

**Comprehensive Engine Management System (CEMS), 132**

**Item: Acquisition of Hardware and Software Maintenance**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1817	1817	1713	1715	1702	1663

**Description:** CEMS provides management information support to the engine and maintenance community worldwide. CEMS consists of both a central data base at OC-ALC, as well as at base level worldwide. CEMS performs serialized management of whole engines and life limited critical parts, in support of RCM, TCTO tracking, maintenance/actuarial and requirements forecasting, as well as financial management.

<b>Software Maint:</b>	1500	1500	1500	1500	1500	1500
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**Requirements Contract:** No

**SBLC Operations & Maintenance Support (Phase IV), 152**

**Item: ADPE Base-Level Support Operational (SBLC)/152**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	4844	5240	4316	4610	5329	4534

**Description:** Operational ADPE base-level support covers all costs associated with continued daily operations of the SBLC at 17 USAFE main operations locations. These costs include lease, maintenance, and purchase funds for mainframe, SBLC Defense Data Network (DDN) software, USAFE Core Automated Maintenance System (CAMS), PMEL Automated Maintenance System (PAMS), Command Budget Automated System (CBAS), Comptroller Office of the Future (COOF), and The Judge Advocate General System (TJAGS).

<b>Hardware Maint</b>	4194	4590	3666	3980	4729	3965
<b>Software Maint</b>	650	650	650	630	600	600

**Requirements Contract:** No

**Systems Modernization for SBLC Systems, 153**

**Item: Base Level System Modernization (BLSM)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	25215	8321	4023	2823	343	367

**Description:** Procurement of development environments for modernization of the base level applications supporting all base-level functions, hardware maintenance, software development, requirements analysis and program management.

**Requirements Contract:** No



**Air Staff Departmental Systems, IVA**

**Item: Microcomputer replacement (Contract: Desktop IV, PC Lan, Various)**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

4541    1099    1057    1073    1108    1119

**Description:** Provides HQ USAF with technologically current replacement ADPE hardware and software. Cost reflects 20% per year incremental replacement/upgrade of existing SAF and Air Staff systems, based on a microcomputer/workstation life cycle fo 5 years.

**Requirements Contract: Yes**

**HQ AFMC Office Automation & Support Personnel, FAA**

**Item: ADPE Equipment and Maintenance**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

31552   30001   24071   24040   32969   28699

**Description:** Purchase of Miscellaneous ADPE, Software and Hardware Maintenance to support the Management Information Systems and Office Automation at HQ AFMC.

**Hardware Maint:** 11506   12428   13176   12368   13864   14485

**Software Maint:** 13572   15777   8844    9901    17180   12328

**Requirements Contract: (Yes)**

**Automated Technical Order System (ATOS), FAC**

**Item: Hardware/Software Maintenance**

**Obligations:**    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

3443    3602    3689    3768    3851

**Description:** ATOS is a loose-leaf publication and document management system for Air Force Technical Order (TO) changes which operates at each of the Air Force Materiel Command's Air Logistics Centers and the Aerospace Guidance and Metrology Center. ATOS, in accordance with Continuous Acquisition and Life Cycle (CALS) requirements, receives, stores, and maintains digital TO change page data, and produces postscript TO pages. ATOS consists of a production control system that integrates six (6) COTS based production elements, text capture, text generation, graphics capture, graphics generation, review, and output.

**Hardwar Maint:** 224    227    239    244    249

**Software Maint:** 3004   3100   3169   3237   3309

**Requirements Contract: (Yes)**

**Logistics Data Integration System (LOGDIS), FAH**

**Item: Hardware Maintenance and Contractor Support**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	3474	3040	536	560	525	420

**Description:** Provides worldwide access from a users single terminal to multiple dissimilar hosts through user friendly interfaces. It also provides users with on-line tools for data retrieval and manipulation of the command-standard electronic mail system.

**Hardware Maint:** 914      920  
**Software Maint:** 1755      2000

**Requirements Contract:** (Yes)

**AFOSR MIS Support, FBA**

**Item: Computer Support for AFOSR**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1844	2143	1981	1709	1769	1775

**Description:** Purchase of Miscellaneous ADPE, Software and Hardware Maintenance to support the mission at the Office of Scientific Research.

**Hardware Maint:** 140      147      154      162      170      179  
**Software Maint:** 703      738      775      814      855      848

**Requirements Contract:** No

**AEDC MIS Support, FHA**

**Item: Miscellaneous Data Systems - Testing Expand or Replace Capacity**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	864	2897	2959	1512	1316	1386

**Description:** This item is a compilation of the equipment required to support and enhance the AEDC test mission. As AEDC moves into a more competitive environment, more capable computers and communication equipment are required for support.

**Hardware Maint:** 34      41      45      50      55      60

**Requirements Contract:** No

**WR-ALC MIS Support, FJA**

**Item: Acquisition of Hardware/Software Maintenance**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1732	1801	1874	1949	2027	2108

**Description:** Hardware/software maintenance, licenses and contractor support for mainframes, minicomputers and all PCs in support of the WR-ALC expanding high technology mission.

<b>Hardware Maint:</b>	929	966	1005	1045	1087	1130
<b>Software Maint:</b>	468	487	507	527	548	570

**Requirements Contract:** No

**Human System Center, FLA**

**Item: Purchase Equipment, Maintenance and Contractual Service**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	2075	2128	2184	2226	2226	2226

**Description:** Purchase equipment, maintenance and software license to support mainframe, minicomputers, client servers, local area networks, PCs and all peripheral equipment in support of the R&D mission.

<b>Hardware Maint:</b>	919	951	984	1000	1000	1000
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**Requirements Contract:** Yes

**Armstrong Laboratory Support, FLB**

**Item: Purchase Equipment, Maintenance, Contractual Services**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1109	1126	1143	1162	1162	1162

**Description:** Purchase equipment, maintenance and software license to support mainframe, minicomputers, client servers, local area network, PCs, and all peripheral equipment in support of the R&D mission.

<b>Hardware Maint:</b>	500	500	500	500	500	500
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**Requirements Contract:** Yes

**SA-ALC MIS Support, FNA**

**Item: Acquisition of Hardware/Software Maintenance**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1090	1090	1090	1090	1090	1090

**Description:** Acquisition of Federal Information Processing (FIP) equipment, hardware, software and software licenses, and contractor support for the mission of SA-ALC and its Regional Processing Center.

<b>Hardware Maint:</b>	391	391	391	391	391	391
<b>Software Maint:</b>	649	649	649	649	649	649

**Requirements Contract:** No

**OC-ALC MIS Support, FPA**

**Item: Acquisition of Hardware/Software Maintenance**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1090	1090	1090	1090	1090	1090

**Description:** Hardware and software maintenance, site licenses, and contractor support for mainframes, minicomputers, and PCs in support of OC-ALC mission.

<b>Hardware Maint:</b>	505	505	505	505	505	505
<b>Software Maint:</b>	315	315	315	315	315	315

**Requirements Contract:** No

**AF Rocket Propulsion Laboratory Support, FRB**

**Item: Data Services Delivery Order Under MISTS Contract**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	5414	4854	4827	5190	5190	5190

**Description:** Contract to provide management information systems and scientific and engineering programming, computer operations and operations and maintenance for personal computers, computer networks, audiovisual services, and weather systems.

<b>Hardware Maint:</b>	210	221	232	243	243	243
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**Requirements Contract:** No

**AF Weapons Laboratory Support, FRC**

**Item: Supercomputer Integration and Operations**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	9917	10407	10924	11460	11460	11460

**Description:** Phillips Laboratory Supercomputer Center-Kirtland computer integration service contract to provide operational maintenance and analyst services supporting USAF and DARPA R&D programs.

<b>Hardware Maint:</b>	2039	2140	2247	2359	2359	2359
<b>Software Maint:</b>	420	441	463	486	486	486

**Requirements Contract:** No

**OO-ALC MIS Support, FVA**

**Item: Acquisition of Hardware/Software Maintenance**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1285	1285	1285	1285	1285	1285

**Description:** Acquisition of Federal Information Processing (FIP) equipment, hardware, software and software licenses, and contractor support for the mission of OO-ALC and its Regional Processing Center.

<b>Hardware Maint:</b>	822	822	822	822	822	822
<b>Software Maint:</b>	403	403	403	403	403	403

**Requirements Contract:** No

**SM-ALC MIS Support, FWA**

**Item: Acquisition of Hardware/Software Maintenance**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	1829	1829	1829	1829	1829	1829

**Description:** Funds are required for the support of Local Area Network, Automated Warehouse System, as well as supporting the FAR Database (Searchmate), Corporate Computer System Network, Surveillance Systems, as well as consolidated small PC maintenance.

<b>Hardware Maint:</b>	842	842	842	842	842	842
<b>Software Maint:</b>	987	987	987	987	987	987

**Requirements Contract:** No

**Integrated Library System, JAL**

**Item: Integrated Library System - AETC Libraries**

**Obligations: FY94 FY95 FY96 FY97 FY98 FY99**

**979**

**Description:** Procure a fully automated integrated library system to enhance education and training capabilities in 12 AETC libraries. Expands patron access to information, streamlines technical operations, and maximizes resource sharing. System uses Desktop IV computers or similar IBM compatible hardware, with UNIX or open VMS based operating system and interfaces for on-line functions. Software is available from commercial vendors. System required for SAF/AAIX proposal for Consolidated Information Resource Centers and to support the Air Force Quality Education System (QES) initiative.

**Requirements Contract: Yes**

**Advanced Training System, JAT**

**Item: Advanced Training System (ATS)**

**Obligations: FY94 FY95 FY96 FY97 FY98 FY99**

**9015 3502 5283 3794 3727 3730**

**Description:** ATS is an advanced computer based training system for AETC's technical and medical service training groups which provides more efficient and effective training through the application of state-of-the-art computer based technology. It supports all training functions: Course design, development, and delivery; resources, instructors, and student management; and evaluation of training. ATS is designed to use off-the-shelf hardware and can be transported between major hardware systems with minimum modifications.

**Requirements Contracts: Yes**

**Training Technology Application Program, JTT**

**Item: Training Technology Application Program**

**Obligations: FY94 FY95 FY96 FY97 FY98 FY99**

**1950 1931 1976 2048 2099 2178**

**Description:** Establish education and enhance interactive courseware development centers at Keesler, Lackland, Sheppard, and Randolph AFBs to support flying, medical, technical, and field training. Interactive courseware development centers will be established at other installations added to Air Education and Training Command to ensure compatibility and interoperability of developed courseware. Purchases of computers will be from the Desktop and other contracts. Additional hardware and software required for the workstations will be purchased from other GSA contracts. An interactive computer system will allow the Air Force to develop and deliver automated training impacting all Air Force Specialties. Significant cost savings can be realized by developing in-house courseware and converting existing courses to computer-based applications. Additional efforts will integrate training management functions for education and flying training. Compliant with DODI 1322.20.

Hardware Maint:	4	110	131	126	130	134
Software Maint:	1	1	1	1	1	1

Requirements Contract: No.

## MATERIEL

### MAJOR AUTOMATED INFORMATION SYSTEMS

#### Requirements Data Bank, 004

##### ITEM: Design and Development of System

OBLIGATIONS:	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	11,060	11,177	11,177	11,177	11,177	11,177

**DESCRIPTION:** RDB will enhance and expand the requirements operations systems and the requirements management information systems. The requirements operations systems are involved with day-to-day management of items. These systems provide item information on how much and when to repair, buy, terminate from contract or dispose of excess. Enhancement of the requirements operations systems is essential to provide the necessary baseline for the development of executive management requirements information systems. These systems will support simulation and decision models required to make resource and strategic decisions on logistics alternatives and to support force readiness and capability measurement.

Software Maint: 5530 11,177 11,177 11,177 11,177 11,177

Requirements Contract: No

#### Stock Control and Distribution (SC&D), 006

##### ITEM: Purchase Hardware/Software Design and Maintenance of System

OBLIGATIONS:	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
	8095	7949	7377	7645	7924	8214

**DESCRIPTION:** SC&D modernized and consolidated a significant portion of the Stock Control & Distribution Systems into one standard integrated transaction oriented system, operating in an on-line environment. Successful completion of the project in July 1992 now satisfies the requirement to improve AF readiness by accomplishing three broad objectives: (1) improve AFMC's asset visibility and ability to direct and control use of resources, (2) improve AFMC's logistic process for more efficient use of resources, and (3) move toward common systems within DoD without compromising AF requirements.

S/W MAINT: 8095 7949 7377 7645 7924 8214

Requirements Contract: No



**Enhanced Transportation Automated Data System (ETADS), 011**

**ITEM: System Maintenance**

<b>OBLIGATIONS:</b>	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	391	400	412	437	477	5360

**DESCRIPTION:** FOC system which supports AFMC functions associated with the Defense Transportation System (DTS). DTS is the primary means for transporting Department of Defense (DoD) cargo worldwide.

<b>H/W MAINT:</b>	189	198	204	216	236	265
<b>S/W MAINT:</b>	202	202	208	221	241	271

**Requirements Contract:** No

**Reliability and Maintainability Information System (REMIS), 012**

**ITEM: System Development**

<b>OBLIGATIONS:</b>	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	9600		5387	4997		

**DESCRIPTION:** The Reliability and Maintainability Information System will provide current visibility of weapon system status and availability. What this means to Commanders and their Chiefs of Maintenance is that more effective SORTIES will be achievable. Planning for and achieving combat training is more timely. Parts distribution and application will be expedited. The system for transferring aircraft from one installation to another will be greatly improved, and MAJCOM unique data systems will be eliminated.

**H/W MAINT:** 717

**Requirements Contract:** No

**Combat Ammunition System, 019**

**Item: Combat Ammunition System (Systems Hardware Acquisition)**

<b>Obligations:</b>	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	6684	3981	3737	4120	4675	4550

**Description:** Purchase of ADPE to support implementation of munitions logistics command and control networks worldwide for the Combat Ammunition System. Hardware acquired through the Standard Multi-Users Small Computer Requirements Contract, Desktop III/IV, Time Division Multiplexors, and Secure Telecommunications Unit (STU) III contracts. Amounts have been updated to agree with the current approved funding profile reported through HQ USAF/SCM1, PE 38610F and the current program acquisition strategy approved by SAF/AQ in SD 16 Sep 93.

**Requirements Contract:** Yes

**Item: Combat Ammunition System (Systems Hardware and Software)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	786	3200	3200	4832	4907	3203

**Description:** Hardware and software maintenance provided under contract with Electronic Data Systems Corporation and the Standard Multi-User Small Computer Requirements contract. Adjustments reflect changes in hardware platform and level of maintenance changed from monthly to hourly maintenance.

**Requirements Contract:** Yes

**Item: Combat Ammunition System (Software Development/Engineering)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	7386	5434	4520	5350	1877	784

**Description:** Systems Analysis, Programming, Design, and Engineering.

**Requirements Contract:** No

**Core Automated Maintenance System, 017**

**Item: Core Automated Maintenance System (CAMS)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	1311	999	352	461	453	803

**Description:** CAMS is the primary Air Force standard base-level automated maintenance management information system. The system will support all aircraft, communications-electronics, and support equipment maintenance activities at 109 worldwide main/host operating bases (111 mainframe systems), 153 Air National Guard/Air Force Reserve sites, and selected NATO locations. CAMS replaces existing manual maintenance data collection and maintenance workorder systems by providing on-line remote terminals connected to the Standard Base Level Computer (SBLC) system throughout the maintenance complexes. CAMS automates aircraft history, aircraft scheduling, and aircrew debriefing processes, and provides a common interface for entering base-level maintenance data into other standard logistics management systems.

**Requirements Contract:** Yes

**Item: Equipment purchases.**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	4052	3733	3482	3308	3273	3217

**Description:** This system is integral to aircraft maintenance. Dumb terminal replacement directed by Air Force and LAN installation.

**Requirements Contract:** No

**Item: CAMS**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	2053	1202	1364	1440	501	510

**Description:** This program funds the maintenance of the CAMS which provides for automation of the control of all aircraft maintenance, including maintenance of the hardware and software received to run the system to include replacement parts and component units.

<b>Hardware Maint:</b>	1175	665	431	527	501	510
<b>Software Maint:</b>	878	51				

**Requirements Contract:** Yes

#### **NON-MAJOR AUTOMATED INFORMATION SYSTEMS**

**Fuels Automated Management System, 136**

**Item: Air Force Fuels Automated Management System (FAMS)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
			850	415	1167	1231

**Description:** Purchase of ADPE, hardware maintenance, software maintenance, automated tank gauges, automated fuels service stations, automated data collection devices for aircraft, and modification of refueling vehicles to support development and implementation of Fuels Automated Management Systems (FAMS) worldwide.

**Requirements Contract:** No

**SBLC Operations & Maintenance Support (Phase IV), 152**

**Item: Standard Base Level Computer (SBLC) Life Cycle Management Maintenance and Purchases**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	14000					

**Description:** This program supports 30 OCONUS and 74 CONUS Air Force, Air National Guard, and Air Force Reserve installations worldwide by providing central computer data processing support for accounting and finance, military and civilian personnel, supply, maintenance, transportation, and operations. One major supporting factor is base-level upgrades. This factor analyzes performance of SBLC installations and provides required hardware upgrades, by purchase, lease and/or reutilization allowing continued operations. Another supporting factor is System Support. This factor supports everyday identification, generation, testing, installation, introduction, integration, release, execution, field support and management of all hardware/software products purchased from the Phase IV Follow-On Contract. In addition System Support includes hardware maintenance and 33% of lease charges for a leased system at the Unisys Gunter Industrial Park (GIP) for shared government use/support for all worldwide SBLC software and operating systems. System Support requires annual 3.8% escalation fee. Another significant supporting factor is the implementation of Open Systems. Open Systems Software Platform (OSSP) provides tools to implement the Air Force

Communications-Computer Systems Architecture to the open systems environment as mandated by the Assistant Secretary of Defense. This requires the protocols specified in the Government Open Systems Interconnection Profile (GOSIP) be used as the "sole mandatory interoperable protocol suite and must be included in all proposals for new automated information systems and major upgrades which require network services." OSSP provides the tools to implement GOSIP. Annual operational maintenance of Gunter SBLC equipment is another factor included under this program. Partial funding of the SBLC program would inflict serious impact on the day-to-day operations of Air Force installations throughout the world, which depend on the standard base-level and regional processing systems to accomplish their mission-critical functions. In addition, the inability to resolve system software problems could make the entire standard base-level computer support inoperative, degrading or disabling the functions of aircraft maintenance, supply and logistics operations, personnel and payroll application, and funds/account.

Requirements Contract: No

Item: ADPE Base Level Support

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
			3010	3382	3082	3190 3249

Description: These systems provide operational ADPE base-level support covering all costs associated with continued operations of the SBLC at the prior Strategic Air Command (SAC) bases. These costs include lease, maintenance, and purchase funds for the main frame. These systems include maintenance , Tape Certifier/ Degausser, and Phase IV upgrades/replacements.

Hardware Maint:	3001	3371	3075	3183	3242
Software Maint:	2	5	5	5	5

Requirements Contract: No

Item: ADPE Base Level Support

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
	4968	568	1350	938	965	978

Description: These systems provide operational ADPE base-level support covering all costs associated with continued operations of the SBLC at the prior Strategic Air Command (SAC) bases. These costs include lease, maintenance, and purchase funds for the main frame. These systems include maintenance for Base Contracting Automated System (BCAS), Tape Certifier/ Degausser, Service Information Management System (SIMS), and Phase IV upgrades/replacements.

Hardware Maint:	4598	568	1350	938	965	978
Software Maint:	309					

Requirements Contract: No

**Item: ADPE Base Level Support**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	151	2673	2833	2197	2282	2295

**Description:** These systems provide operational ADPE base-level support covering all costs associated with continued operations of the SBLC at the prior Tactical Air Command (TAC) bases. These costs include lease, maintenance, and purchase funds for the main frame. These systems include maintenance, Tape Certifier/ Degausser, and Phase IV upgrades/replacements.

<b>Hardware Maint:</b>	1290	1320	840	867	877	
<b>Software Maint:</b>	151	1180	1306	1210	1249	1264

**Requirements Contract:** No

**PACER FRONTIER, FAM**

**ITEM: Improve Support of Space and Early Warning Systems**

<b>OBLIGATIONS:</b>	<b><u>FY 93</u></b>	<b><u>FY 94</u></b>	<b><u>FY 95</u></b>	<b><u>FY 96</u></b>	<b><u>FY 97</u></b>	<b><u>FY 98</u></b>	<b><u>FY 99</u></b>
	1886	6064	5517	4026	2202	5574	5737

**DESCRIPTION:** An innovative approach to Space and Early Warning System support. Maximizes utilization of resources and expertise by consolidating system support in centralized facilities co-located with system operations in Colorado Springs, CO. Allows AFSPACCOM and AFMC to more efficiently perform their specific roles and responsibilities.

**Requirements Contract:** Yes

**Integrated Data Strategy (IDS), FAY**

**ITEM: Acquisition of Hardware and Software**

<b>OBLIGATIONS:</b>	<b><u>FY 94</u></b>	<b><u>FY 95</u></b>	<b><u>FY 96</u></b>	<b><u>FY 97</u></b>	<b><u>FY 98</u></b>	<b><u>FY 99</u></b>
	14800	19000	22300	24500	16100	15800

**DESCRIPTION:** The Integrated Data Strategy (IDS) project will conduct process reengineering using rapid prototyping to identify, prioritize, and document functional and technical requirements for the life cycle management of digital technical data in support of Air Force Weapon System Program Offices, product Centers and Air Logistics Centers (ALCs) in an Integrated Weapon System Management (IWSM) environment. Process reengineering prototypes are currently located at each of the ALCs and will soon be installed at the B-1B System Program Office and NADEP, Cherry Point. The prototypes will be used extensively for modeling and analysis to identify business process improvement opportunities, develop the associated functional economic analyses and business cases, and specify, prepare and prototype weapon system databases using the Integrated Weapon System Data Base (WSDB) concept. Each rapid prototype site will address different unique weapon system data (engine, airframe, electrical, etc.). Each rapid prototype site will handle data in

different stages of the weapons system life cycle (conceptual, engineering, and manufacturing, operation and support, etc.). Each rapid prototype site will analyze individual processes from several user viewpoints and integrate these activities with various unique disciplines at the base level (engineering, manufacturing, supply, maintenance, repair, technical orders, etc.).

**Requirements Contract: Yes**

**OTHER**

**NON-MAJOR AUTOMATED INFORMATION SYSTEMS**

**HQ USAF Maintenance & Support, 1VM**

**Item: ADP Systems Maintenance (Contract: OMNIBUS, ASCAF, Various)**

**Obligations:    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99**

**4475   7112   7153   5884   7076   7164**

**Description:** Funds in this area support maintenance of all HQ USAF non-mainframe ADP equipment, including over 7,500 microcomputers, 80 , minis, and approximately 9,000 peripherals.

**Requirements Contract: Yes**

**ADP Operations Consolidation, 181**

**Item: Automated Data Processing (ADP) Consolidation (DMRD 924)**

**Obligations:    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99**

**7069   18689**

**Description:** The Program Management Directive (PMD) for the ADP Consolidation Program directs regionalization of the Air Force ADP operations and design centers. Elements of this environment are consolidation of: (1) the Standard Base Level Computer (SBLC), Comptroller Office of the Future (COOF), Command Budget Automated Systems (CBAS), Air National Guard/Air Force Reserve (ANG/AFRES) Systems 11, Work Information Management Systems (WIMS), Services Information Systems (SIMS), Base Contract Automated System (BCAS), etc.; (2) MAJCOM Non-Command and Control (Non-C2) unique systems; (3) Compatible Systems Type Architecture platforms (i.e. consolidation of applications running on similar/compatible platforms onto a single platform); (4) implementation of Fee for Service (FFS) Air Force-wide. Primary attention is directed to CONUS operations. OCONUS operations will be addressed as the program progresses. Unless the program is slipped, 3080 funding will terminate in FY 94. However, 3400 funding will proceed through FY 99, and will be transferred to the Life-Cycle Manager at the time of Program Management Responsibility Transfer (PMRT). PMD # 2208, dated 14 Feb 91.

**Requirements Contract: No**

**Record Communication System, YKB**

**Item: CSP (CBT)/SAT Hardware Purchase**

**Obligations:    FY 94   FY 95   FY 96   FY 97   FY 98   FY 99**

**980   389   450   468   483   498**

**Description:** Hardware purchase for CSP HOLs will be used to support DSSCS/GENSER message traffic with transmit/receive capability as a Communications Support Processor (CSP) replacement system. A minimum of two CSP CPUs (one on-line, one off-line), will be used in the Base Communications Center (BCC) for error detection and correction. CSP Backside Terminal (CBTs) will be used to provide the same support (DSSCS) or GENSER) but on a PC-based system and at a much lower cost. Standard Autodin Terminal (SATs) will be used at those sites requiring DSSCS/GENSER support as a direct connect to an Automatic Switching Center (ASC).

**Requirements Contract:** No

**Item:** CSP Software Support

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1171	848	967	861	909	958

**Description:** Funds are in support of Record Communications Life Cycle Support for the CSP (Communications Support Processor) Program. CSP replaces aging, unsupportable communications systems and facilitates and consolidates Defense Special Secure Communications Systems and General Services Communications at Base Communications Centers (BCC). These funds will ensure lifecycle support for standard intelligence communications and computer systems required by DoD operational commanders. Provides consolidated configuration management/quality assurance (CM/QA) and independent verification and validation (IV & V) ensuring reliable and responsive CUBIC systems.

<b>Hardware Maint:</b>	4365	4212	3814	3857	3201	3357	3478
<b>Software Maint:</b>	730	1169	831	930	816	854	894

**Requirements Contract:** No

**AFIT Computer Infrastructure Support, OKB**

**Item:** Air Force Institute of Technology (AFIT) Computer Infrastructure Support

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	666	1843	2391	2383	2668	2749

**Description:** Purchase of communications-computer equipment, maintenance, software and contract services by including effective and efficient computer services, easily accessible to the students, to meet the objectives of AFIT programs. This program will consist of computers ranging from workstations to super mini-computers which are networked together to provide educational computer support for AFIT. Additionally, the program will provide central computing resources in support of all students, faculty, and staff applications, specialized laboratory processing, and those requiring very large computing power satisfied only by super-computer class machines (i.e., CRAY). This program will provide AFIT with state-of-the-art computer systems that are necessary to maintain the highest quality graduate and doctoral education. (AU/OKB)

<b>Software Maint:</b>	1393	1321	1559	1532	589	611
<b>Hardware Maint:</b>	682	912	239	239	1446	1486

**Requirements Contract:** No



**Air Force Wargaming Center, JWG**

**Item: Air Force Wargaming Center (AFWC)**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	2388	2304	2721	2639	2738	2756

**Description:** Provides for the continued operations and maintenance support of the multicomputer systems required to support the Air Force's Wargaming Center. These systems are critical in providing vital combat readiness education for not only the resident professional military education courses but also for the Joint Flag Officers Readiness Course.

<b>Hardware Maint:</b>	474	555	648	642	661	673
<b>Software Maint:</b>	1575	1480	1732	1708	1755	1783

**Requirements Contract:** Yes

**Item: Initial Computer Support For Air Force Quality Center**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	32	1065	32	29	71	77

**Description:** Provides for the implementation and continuing application of quality Air Force (QAF) throughout the Air Force by providing commanders, leaders, and organizations with concept, methods, tools, materials, education and training to sustain a total quality culture.

<b>Hardware Maint:</b>	1057	20	22	61	69
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**Requirements Contract:** No

**Air University Computer Infrastructure, JCI**

**Item: Professional Military Education and Professional Continuing Education**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1142	3081	3242	3366	3433	3498

**Description:** Provides for continued operations and support of the communications-computer infrastructure at Maxwell AFB and the Gunter annex. This communication computer system support is vital to the Air Force's resident and nonresident Professional Military Education programs which include Air War College, Air Command and Staff College, Squadron Officers School, Officer Training School, and the Senior NCO Academy. This AIS also directly supports several Professional Continuing Education schools such as the Air Force's Chaplain and Judge Advocate General resident programs. Additionally, this AIS funds hardware and software maintenance for the Air University Library's computer system. (AU/OCI)

<b>Hardware Maint:</b>	205	1588	1844	1945	1986	2005
<b>Software Maint:</b>	6	1112	993	985	1013	1056

**Requirements Contracts:** Yes

**Course Development Infrastructure Support, JSN**

**Item: Course Development Student Administration Registrar**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	131	209	257	253	2622	269

**Description:** Provides for the continued operations and maintenance support of Air Force resident and correspondence professional military education and training missions for the Squadron Officer School, Air Command and Staff College, the Extension Course Institute, the Community College of the Air Force, the Reserve Officer Training Corps, the Center for Professional Development and other AU organizations. This system is critical to the assignment, tracking, control, evaluation, and administration of students. Records are maintained for students taking professional military education programs and courses by correspondence, seminar, and in residence.

<b>Hardware Maint:</b>	129	204	251	247	254	261
<b>Software Maint:</b>	2	1	1	2	3	3

**Requirements Contract:** No

**Gulf Range Drone Control Upgrade System, TTG**

**Item: Training**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1435	1332	1159	1111	1037	1059

**Description:** Provides funding in support of the 475 Weapons Evaluation Group Aerial Targets Program and the 4484 Test Squadron. Requirements include maintenance and contract services in support of the Gulf Range Drone Control Upgrade System, range control systems, and radar test facility equipment. Equipment includes a VAX 4100 computer, two VAX II computers, and a Microvax System.

<b>Hardware Maint:</b>	494	246	207	214	205	210
<b>Software Maint:</b>	941	1086	952	897	832	849

**Requirements Contract:** No

**F-117A Program, TBI**

**Item: Tactical Elint Processor (TEP)**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	1892	2461	2609	2665	2811	2886

**Description:** This program provides funding support for the F-117A fighter squadrons at Holloman AFB NM and specialized functions performed at Langley AFB VA and Nellis AFB NV. Funding includes maintenance support to the weapon system management and specialized maintenance testing.

Hardware Maint: 2057 2150 2245 2341 2435  
Software Maint: 1892

Requirements Contract: No

Multiple Systems to Support Red Flag, TRA

Item: Red Flag Measurement and Debriefing System (RFMDS)

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
	637	2827	3028	3004	3089	3130

Description: Provides funding to support the following programs: RFMDS and Range Information System (RIS). The contract support includes the management, administration, display systems, and remote sensors. The RIS provides Range Group Blackjack monitoring, range security, safety, and scheduling compliance. The RIS consists of 8 varian 77 systems.

Hardware Maint:	637	2323	2450	2435	2503	2537
Software Maint:		549	578	569	586	593

Requirements Contract: No

Mission Support System (MSS), TSA

Item: MSS

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
	165	11002	12329	14467	14896	15131

Description: The primary objective is to consolidate develop field and replace mission planning system development efforts and provide a common unit level mission planning capability for airlift, bomber, electronic combat, fighter, rescue, special operations aviation and tanker air craft. Provide the development and maintenance of the conventional mission planning and preparation system. Also provide upgrade and maintenance of the mission data preparation system, mission support system (MSS2).

Software Maint:	40	11002	12329	14467	14896	15131
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Requirements Contract: No

Multiple Systems to Support Air Warfare Center, TTA

Item: USAF Air Warfare Center - Computer Aided Electronic Warfare Information System (CAEWIS)

Obligations:	FY 94	FY 95	FY 96	FY 97	FY 98	FY 99
	1304	2031	1194	784	790	743

**Description:** Provides funding to support the USAFAWC IOT&E mission. Includes headquarters and directorates within USAFAWC. Provides funding for Software Support Facility (SSF) for CAEWIS. CAEWIS software is used in five reprogramming centers to access the Electronic Warfare Integrated Reprogramming System and other intelligence data bases. Supports fighter, bomber, and C3 electronic warfare. Allows aircrews to identify friendly and hostile emitters and permits USAF to conduct air operation world-wide in friendly or hostile electronic warfare environment. System critical to electronic counter measures and electronic counter counter measures mission.

Hardware Maint:	127	550	589	571	560	538
Software Maint:	1028	1481	605	213	230	205

**Requirements Contract:** No

**Blue Flag, TTb**

**Item:** Blue Flag

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	455	666	337	417	465	469

**Description:** Provides funding to support the US Air Force Battlestaff Training School C4I (Command, Control, Communications-Computer Systems, and Intelligence) exercise mission. Includes support for Blue Flag and Air Ground Operation School. Funding pays for these major systems: Air Warfare Simulation (AWSIM), Distributed Wargaming System (DWS), and Contingency Theater Automated Planning System (CTAPS). Together, these systems provide the most realistic and flexible exercise automation for Air Force senior leaders to allow true train-as-you-fight capability.

Hardware Maint:	183	138	137	137	136	144
Software Maint:	272	528	200	280	329	325

**Requirements Contract:** No

**Fighter Weapons Center (TFWC), TTF**

**Item:** TFWC - Red Flag Information System

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	817	1470	1111	1230	1267	1315

**Description:** The Red Flag data processing support contract for maintenance of Red Flag information systems provides computer operations/ administration, analysis, data entry, technical library, and software development/maintenance support for the 414th Composite Training Squadron (Red Flag). Red Flag provides "Readiness Training" for aircrews and commanders in a joint advanced composite force environment involving US and allied forces. The contract ensures exercise data is transmitted from the Red Flag Measurement and Debriefing System (RFMDS) to the Automated Debriefing Support System (ADSS) for production of aircrew debriefing products which include individual aircraft flight path tracks and event lists providing a summary of air-to-air missile shots, surface-to-air missile firings, etc.

Hardware Maint:	360	359	404	412	377	402
Software Maint:	457	1111	707	818	890	913

Requirements Contract: No

Embedded Computer Resources Support Improvement Program (ESIP), FAG

ITEM: Continuing Effort for Embedded Computer Software Support

OBLIGATIONS:	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	15920	15701	14289	14362	14610	14578

DESCRIPTION: ESIP is a continuing effort to improve the Embedded Computer Software support, not an automated MIS acquisition.

H/W MAINT:	809	1109	1378	1410	1455	1500
S/W MAINT:	12001	11859	11332	10722	11065	11408

Requirements Contract: No

Aeronautical Systems Center, PCA

ITEM: Computer Support for Wright Laboratory (All Directorates)

OBLIGATIONS:	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	15485	15980	14619	14625	14625	14625

DESCRIPTION: Purchase of ADPE and operations and maintenance services in support of a wide range of R&D projects at Wright Laboratory.

H/W MAINT:	3133	5524	4059	3992	4006	4020
S/W MAINT:	7570	12393	7280	8662	10661	12025

Requirements Contract: No

Western Space Launch Facility, PRR

Item: Maintenance and Repair of ADPE Equipment

Obligations:	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	1325	1965	2034	2093	2178	2258

Description: Provide maintenance associated with all ADPE equipment at Vandenberg AFB.

Requirements Contract: No

**Eastern Space Launch Facility, PSS**

**Item: Maintenance and Purchase of ADPE Equipment**

<b>Obligations:</b>	<u><b>FY 94</b></u>	<u><b>FY 95</b></u>	<u><b>FY 96</b></u>	<u><b>FY 97</b></u>	<u><b>FY 98</b></u>	<u><b>FY 99</b></u>
	1368	1229	1357	1304	1378	1365

**Description:** Provide maintenance associated with all ADPE equipment at Patrick AFB.

**Requirements Contract:** No

**Command Post Upgrade**

**Item: AT&T System 75/85 Switch**

<b>Obligations:</b>	<b>FY 94</b>	<b>FY 95</b>	<b>FY 96</b>	<b>FY 97</b>	<b>FY 98</b>	<b>FY 99</b>
	2431		2430			

**Description:** This program funds the upgrade and installation of AT&T System 75/85s located in various Command Posts throughout Air Command Post. It covers installation of switch, upgrade to a Definity Generic 3i configuration and procurement/installation of radio interface custom designed equipment to meet the needs of the Command Post.

**Requirements Contract:** No

**PROCUREMENT**

**MAJOR AUTOMATED INFORMATION SYSTEMS**

**Contracting Data Management System (CDMS), 003**

**ITEM: System Development, Software and Hardware Maintenance**

**OBLIGATIONS:**            FY 94   FY 95   FY 96   FY 97   FY 98   FY 99

2144   1655   900   953   1010   1072

**DESCRIPTION:**      Design, develop, and install the Purchase Request/Military Interdepartmental Purchase Request and Post Award subsystem of the Logistics Standard Information System, Acquisition Materiel Management Procurement for potential DoD-wide implementation. CDMS will create, track, and maintain electronic purchase request packages through on-line interfaces, and track and maintain post award contracting actions including monitoring contract delinquencies, due-in assets, and financial management information.

<b>H/W MAINT:</b>	211	197	210	222	235	250
<b>S/W MAINT:</b>	967	1458	690	731	775	822

**Requirements Contract: No**

## RESEARCH & DEVELOPMENT

### NON-MAJOR AUTOMATED INFORMATION SYSTEMS

#### Armament Division Support (AFDTC), FKA

##### Item: Computer Support

Obligations:	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	4586	4586	4586	4586	4476	4586

Description: Purchase of ADPE, software development, operations and maintenance services in support of the RDT&E mission of AFDTC. Totals include lease to purchase payments for supercomputer.

H/W MAINT:	3456	3456	3456	3456	3456	3456
S/W MAINT:	800	800	800	800	800	800

Requirements Contract: Yes

#### 6585th Test Group Support, FKB

##### ITEM: Purchase ADPE & Hardware Maintenance

OBLIGATIONS:	<u>FY 94</u>	<u>FY 95</u>	<u>FY 96</u>	<u>FY 97</u>	<u>FY 98</u>	<u>FY 99</u>
	5500	6000	6000	6000	6000	6000

DESCRIPTION: Purchase of ADPE and Hardware Maintenance in support of various projects and Management Information Systems.

H/W MAINT:	361	415	434
S/W MAINT:	120	132	131

Requirements Contract: No



## **WAR PLANNING**

### **NON-MAJOR AUTOMATED INFORMATION SYSTEMS**

#### **TAC Training, DTT**

**Item: Warrior Preparation Center (WPC)**

<b>Obligations:</b>	<b>FY94</b>	<b>FY95</b>	<b>FY96</b>	<b>FY97</b>	<b>FY98</b>	<b>FY99</b>
	5000	5350	5732	5250	6325	6050

**Description:** The WPC provides an operational environment to support commanders and staffs in training at the operational level using interactive computer simulations capable of being conducted over the distributed wargaming system. The WPC assists commanders in meeting their training objectives, provides training feedback to commanders, and supports other requirements for computer wargaming. The WPC customers include US and NATO organizations.

<b>Hardware Maint</b>	<b>4300</b>	<b>4600</b>	<b>4900</b>	<b>5200</b>	<b>5450</b>	<b>5200</b>
<b>Software Maint</b>	<b>700</b>	<b>750</b>	<b>832</b>	<b>850</b>	<b>875</b>	<b>850</b>

**Requirements Contract:** No

**EXHIBIT 43C**

**SUMMARY REPORT ON OBLIGATIONS FOR INFORMATION SYSTEMS**

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SUMMARY REPORT ON OBLIGATIONS FOR INFORMATION SYSTEMS  
DEPARTMENT OF THE AIR FORCE  
FY 1995 BUDGET ESTIMATES  
(in thousands of dollars)

AS OF: MAR 94

	FY1993	FY1994	FY1995
1. CAPITAL INVESTMENTS (\$000)			
A. PURCHASE OF HARDWARE	658475	352568	194134
B. PURCHASE OF SOFTWARE	4430	13352	16273
C. SITE OR FACILITY	10670	13936	3345
SUBTOTAL	673595	379856	213752
2. PERSONNEL			
A. COMPENSATION, BENEFITS, AND TRAVEL (\$000)	524728	446883	484989
B. WORKYEARS(0)	12180	10860	10765
SUBTOTAL	524728	446883	484989
3. EQUIPMENT RENTAL, SPACE, AND OTHER OPERATING COSTS (\$000)			
A. LEASE OF HARDWARE	26498	11262	10186
B. LEASE OF SOFTWARE	5220	1767	1475
C. SPACE			
D. SUPPLIES AND OTHER	29391	28501	22113
SUBTOTAL	61109	41530	33774
4. COMMERCIAL SERVICES (\$000)			
A. ADPE TIME	5878	3444	3986
B. VOICE COMMUNICATIONS			
C. DATA COMMUNICATIONS	100611	98116	107559
D. OPERATIONS AND MAINTENANCE	440360	437600	442813
E. SYSTEMS ANALYSIS, PROGRAMMING, DESIGN, AND ENGINEERING	200943	153255	87091
F. STUDIES AND OTHER	30157	37910	29570
G. SIGNIFICANT USE OF INFORMATION TECHNOLOGY			
SUBTOTAL	777949	730325	671019
5. INTERAGENCY SERVICES (\$000)			
A. PAYMENTS	305639	360000	390313
B. OFFSETTING COLLECTIONS	-1575	-1575	-1612
SUBTOTAL	304064	358425	388701
6. INTRA-AGENCY SERVICES (\$000)			
A. PAYMENTS	105359	66760	57082
B. OFFSETTING COLLECTIONS	-105359	-66760	-57082
SUBTOTAL			
7. OTHER SERVICES (\$000)			
A. PAYMENTS			
B. OFFSETTING COLLECTIONS			
SUBTOTAL			
TOTALS			
TOTAL OBLIGATIONS	2341445	1957019	1792235
WORKYEARS	12180	10860	10765

EXHIBIT 43C

APPROPRIATION/FUND			
3000 OTHER PROCUREMENT, AF	361115	269727	159990
3300 MILITARY CONSTRUCTION, AF		4300	
3400 OPERATIONS & MAINT., AF	1268732	1130345	1063641
3500 MILITARY PERSONNEL, AF	300407	272891	310201
3600 RDT&E, AF	108329	75072	71721
3700 MILITARY PERSONNEL, AFR	1266	1104	1354
3740 OPERATIONS & MAINT., AFR	36853	12514	19051
3840 OPERATIONS & MAINT., ANG	40257	26945	26731
4930 DEF BUSINESS OPS FUND, AF	216386	156041	137530
OPERATIONS & MAINTENANCE (LINE 4.D.)			
HARDWARE MAINTENANCE	220154	211832	237039
SOFTWARE MAINTENANCE	195416	199351	173382
OTHER	24790	26417	32392

EXHIBIT 43C

**EXHIBIT 43C-1**

**SUMMARY REPORT ON DEVELOPMENT AND MODERNIZATION**

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DEPARTMENT OF THE AIR FORCE  
FY1995 \*\*\* PRESIDENT'S BUDGET \*\*\* (PRE)  
SUMMARY REPORT ON DEVELOPMENT AND MODERNIZATION

AIR FORCE TOTAL

AS OF: 09 MAR 94

LINE # ENTRY TITLE	FY1993	FY1994	FY1995
1. CAPITAL INVESTMENTS (\$000)			
A. PURCHASE OF HARDWARE	350447	244287	130536
B. PURCHASE OF SOFTWARE:		6300	8100
1) PURCHASE OF OPERATING SYSTEMS AND COMMUNICATIONS SOFTWARE THAT EXCEEDS \$25,000			
2) PURCHASE OF CUSTOM APPLICATIONS SOFTWARE THAT EXCEEDS \$25,000		6300	8100
3) PURCHASE OF OFF-THE-SHELF APPLICATIONS SOFTWARE THAT EXCEEDS \$25,000			
C. SITE OR FACILITY	1039	745	300
SUBTOTAL	351486	251332	138936
2. PERSONNEL AND TRAVEL			
A. COMPENSATION AND BENEFITS (\$000):	12692	19481	21275
1) GENERAL MANAGEMENT	7623	5354	5793
2) OTHER	5069	14127	15482
B. WORKYEARS:	289	473	473
1) GENERAL MANAGEMENT	173	128	128
2) OTHER	116	345	345
C. TRAVEL (\$000)	1440	1736	769
SUBTOTAL	14132	21217	22044
3. EQUIPMENT RENTAL, SPACE, AND OTHER OPERATING COSTS (\$000)			
A. LEASE OF HARDWARE	237	237	237
B. LEASE OF SOFTWARE:			
1) LEASE OF OPERATING SYSTEMS AND COMMUNICATIONS SOFTWARE			
2) LEASE OF APPLICATIONS SOFTWARE			
C. SPACE			
D. SUPPLIES AND OTHER:	3132	7427	2039
1) PURCHASE OF OFF-THE-SHELF OPERATING SYSTEMS AND COMMUNICATIONS SOFTWARE OF \$25,000 OR LESS	462	4941	69
2) PURCHASE OF OFF-THE-SHELF APPLICATIONS SOFTWARE OF \$25,000 OR LESS			
3) SUPPLIES	2521	2337	1021
4) OTHER	149	149	149
SUBTOTAL	3369	7664	2276

EXHIBIT 43C-1



LINE # ENTRY TITLE	FY1993	FY1994	FY1995
4. COMMERCIAL SERVICES (\$000)			
A. ADPE TIME	278	278	278
B. VOICE COMMUNICATIONS			
C. DATA COMMUNICATIONS			
D. OPERATIONS			425
E. MAINTENANCE:	51100	54990	50740
1) HARDWARE	30681	29518	23730
2) SOFTWARE	20427	25472	27010
F. SYSTEMS ANALYSIS, PROGRAMMING, DESIGN AND ENGINEERING:	198810	145156	86239
1) PURCHASE OF CUSTOM APPLICATIONS SOFTWARE OF \$25,000 OR LESS			
2) DESIGN AND/OR DEVELOPMENT OF SERVICES, NETWORKS OR FACILITIES	198810	145156	86239
G. STUDIES AND OTHER:	18529	17955	14560
1) STUDIES	9356	8218	5259
2) COMMERCIAL TRAINING	48		
3) OTHER	9125	9737	9701
H. SIGNIFICANT USE OF INFORMATION TECHNOLOGY			
SUBTOTAL	268725	218379	152242
5. INTERAGENCY SERVICES (\$000)			
A. PAYMENTS			
B. OFFSETTING COLLECTIONS			
SUBTOTAL			
6. INTRA-AGENCY SERVICES (\$000)			
A. PAYMENTS	55962	35099	25015
B. OFFSETTING COLLECTIONS	-55962	-35099	-25015
SUBTOTAL			
7. OTHER SERVICES (\$000)			
A. PAYMENTS			
B. OFFSETTING COLLECTIONS			
SUBTOTAL			
8. TOTAL OBLIGATIONS	637712	498592	315498
9. WORKYEARS	289	473	473
10. APPROPRIATION/FUND			
3080 OTHER PROCUREMENT, AF	355679	265847	153239
3400 OPERATIONS & MAINT., AF	154123	155855	105781
3500 MILITARY PERSONNEL, AF	4450	11008	12574
3600 ROT&E, AF	47510	19500	11382
3840 OPERATIONS & MAINT., ANG	1333	302	250
4930 DEF BUSINESS OPS FUND, AF	74617	46080	32272

EXHIBIT 43C-1

**EXHIBIT 43C-2**

**SUMMARY REPORT ON OPERATIONS AND OTHER COST**

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DEPARTMENT OF THE AIR FORCE  
FY1995 \*\*\* PRESIDENT'S BUDGET \*\*\* (PRE)  
SUMMARY REPORT ON OPERATIONS AND OTHER COSTS

AIR FORCE TOTAL

AS OF: 09 MAR 94

LINE & ENTRY TITLE	FY1993	FY1994	FY1995
1. CAPITAL INVESTMENTS (\$000)			
A. PURCHASE OF HARDWARE	308028	108281	63590
B. PURCHASE OF SOFTWARE:	4450	7052	8173
1) PURCHASE OF OPERATING SYSTEMS AND COMMUNICATIONS SOFTWARE THAT EXCEEDS \$25,000	348	431	435
2) PURCHASE OF CUSTOM APPLICATIONS SOFTWARE THAT EXCEEDS \$25,000			
3) PURCHASE OF OFF-THE-SHELF APPLICATIONS SOFTWARE THAT EXCEEDS \$25,000	4102	6621	7738
C. SITE OR FACILITY	9631	13191	3045
SUBTOTAL	322109	128324	74816
2. PERSONNEL AND TRAVEL			
A. COMPENSATION AND BENEFITS (\$000):	508209	423700	460993
1) GENERAL MANAGEMENT	88306	88076	97471
2) OTHER	419903	335624	363522
B. WORKYEARS:	11891	10387	10292
1) GENERAL MANAGEMENT	2106	2194	2190
2) OTHER	9785	8193	8102
C. TRAVEL (\$000)	2387	1966	1952
SUBTOTAL	510596	425566	462945
3. EQUIPMENT RENTAL, SPACE, AND OTHER OPERATING COSTS (\$000)			
A. LEASE OF HARDWARE	26261	11025	9949
B. LEASE OF SOFTWARE:	5220	1767	1475
1) LEASE OF OPERATING SYSTEMS AND COMMUNICATIONS SOFTWARE	5110	1652	1355
2) LEASE OF APPLICATIONS SOFTWARE	110	115	120
C. SPACE			
D. SUPPLIES AND OTHER:	26259	21074	20074
1) PURCHASE OF OFF-THE-SHELF OPERATING SYSTEMS AND COMMUNICATIONS SOFTWARE OF \$25,000 OR LESS	3432	263	13
2) PURCHASE OF OFF-THE-SHELF APPLICATIONS SOFTWARE OF \$25,000 OR LESS	170	229	249
3) SUPPLIES	20384	18587	17970
4) OTHER	2273	1995	1843
SUBTOTAL	57740	33866	31498

EXHIBIT 43C-2

LINE # ENTRY TITLE	FY1993	FY1994	FY1995
4. COMMERCIAL SERVICES (\$000)			
A. ADPE TIME	5600	3166	3708
B. VOICE COMMUNICATIONS			
C. DATA COMMUNICATIONS	100611	98116	107539
D. OPERATIONS	19299	20242	22424
E. MAINTENANCE:	369953	362368	369224
1) HARDWARE	194964	188489	222852
2) SOFTWARE	174989	173879	146372
F. SYSTEMS ANALYSIS, PROGRAMMING, DESIGN AND ENGINEERING:	2133	8099	852
1) PURCHASE OF CUSTOM APPLICATIONS SOFTWARE OF \$25,000 OR LESS		99	80
2) DESIGN AND/OR DEVELOPMENT OF SERVICES, NETWORKS OR FACILITIES	2133	8000	772
G. STUDIES AND OTHER:	11628	19955	15010
1) STUDIES	506	38	297
2) COMMERCIAL TRAINING	2027	2078	1870
3) OTHER	9095	17839	12843
H. SIGNIFICANT USE OF INFORMATION TECHNOLOGY SUBTOTAL	509224	511946	518777
5. INTERAGENCY SERVICES (\$000)			
A. PAYMENTS	305639	360000	390313
B. OFFSETTING COLLECTIONS	-1575	-1575	-1612
SUBTOTAL	304064	358425	388701
6. INTRA-AGENCY SERVICES (\$000)			
A. PAYMENTS	49397	31661	32067
B. OFFSETTING COLLECTIONS	-49397	-31661	-32067
SUBTOTAL			
7. OTHER SERVICES (\$000)			
A. PAYMENTS			
B. OFFSETTING COLLECTIONS			
SUBTOTAL			
8. TOTAL OBLIGATIONS	1703733	1458427	1476737
9. WORKYEARS	11891	10387	10292
10. APPROPRIATION/FUND			
3080 OTHER PROCUREMENT, AF	5436	3880	6759
3300 MILITARY CONSTRUCTION, AF		4300	
3400 OPERATIONS & MAINT., AF	1114629	982490	957860
3500 MILITARY PERSONNEL, AF	296037	261883	297627
3600 RDT&E, AF	60819	55572	60339
3700 MILITARY PERSONNEL, AFR	1266	1184	1354
3740 OPERATIONS & MAINT., AFR	36853	12514	19051
3840 OPERATIONS & MAINT., ANG	46924	26643	28481
4930 DEF BUSINESS OPS FUND, AF	141769	109961	105266

**EXHIBIT 43C-3**

**REPORT ON AIS/PROGRAM BY C/M FUNCTIONAL AREA**

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# **CONTENTS** **EXHIBIT 43C-3**

## **DEVELOPMENT/MODERNIZATION**

### **CIM AREA** **AIS TITLE**

**AIS      PAGE**

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Strategic War Planning System (SWPS)	001	1
Weapon System Management Information System (WSMIS)	002	1
Cheyenne Mountain Upgrade Development	015	1
Command and Control Information Processing System	016	2
AF Command and Control System (AFC2S)	020	2
Global Transportation Network (GTN)	022	2
PACER FRONTIER	FAM	2
Combat Wx Automation Support	NAA	3
OLA USAFETAC	NEA	3
USAFETAC Complex	NET	3
Computer Flight Plans	NGC	3
SDHS	NGD	4
Satellite Data Handling System	NGH	4
Sys 3/5/6 CDFS II	NGS	4
WIPS AWAPS/GTWAPS	NGW	4
AFSFC Complex	NSC	5
MCCS Development and O&M	PBC	5
C2 CINCSTRAT Mobile Alternate Headquarters (CMAH)	SAA	5
Command and Control Systems	TBJ	5
WWMCCS	157	6
Wing Command and Control System (WCCS)	180	6

Miscellaneous Command and Control	---	6
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Total Command and Control	---	6
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Miscellaneous Compliance	---	7
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Total Compliance	---	7
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Personnel Concepts III (PC III)	021	9
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Personnel Data Systems-90 (PDS-90) Acquisition	109	9
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AFIT Computer Infrastructure	JAF	12
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Defense Message System - Air Force (DMS-AF)	YMD	12
Miscellaneous Info Mgt Technical Infrastructure	---	12
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Air Force Equipment Management System (AFEMS)	013	13
HQ AFMC Office Automation & Support Personnel	FAA	13
Satellite Control Facility	FTB	13
Integrated Library System	JAL	14
Advanced Training System (ATS)	JAT	14
Training Technology Applications Program (TTAP)	JTT	14
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Total Materiel Resources	---	18
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DEPARTMENT OF THE AIR FORCE  
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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>1 COMMAND AND CONTROL</b>							
<b>MAJOR AIS</b>							
001 STRATEGIC WAR PLANNING SYSTEM (SWPS)							
SUBTOTAL	44288	33590	17631	5001	10713	16053	515
WORKYEARS							
3080 OTHER PROCUREMENT, AF	28803	14481	2287	3755	10228	15508	
3400 OPERATIONS & MAINT., AF	15485	19109	15344	1246	485	545	515
002 WEAPON SYSTEM MANAGEMENT INFORMATION SYSTEM (WSMIS)							
SUBTOTAL		1107	1114	781	786	737	590
WORKYEARS							
3080 OTHER PROCUREMENT, AF		1107	1114	781	786	737	590
015 CHEYENNE MOUNTAIN UPGRADE DEVELOPMENT							
SUBTOTAL	65350	44695	11282	11563	7368	6861	7158
WORKYEARS	21	21	21	21	21	21	21
3080 OTHER PROCUREMENT, AF	25396	27003	5683	5746	2186	2209	2240
3400 OPERATIONS & MAINT., AF	1895	2900	2440	2658	2023	1493	1759
3500 MILITARY PERSONNEL, AF	859	792	859	859	859	859	859
3600 RDT&E, AF	37200	14000	2300	2300	2300	2300	2300

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<hr/>							
016 COMMAND AND CONTROL INFORMATION PROCESSING SYSTEM							
SUBTOTAL	2903		3082				
WORKYEARS							
3600 RDT&E, AF	2903		3082				
020 AF COMMAND AND CONTROL SYSTEM (AFC2S)							
SUBTOTAL	11412	14465	20283	19391	15891	18840	20041
WORKYEARS		41	41	41	41	41	41
3080 OTHER PROCUREMENT, AF	2882		11592	11296	8177	10937	12040
3400 OPERATIONS & MAINT., AF	8530	13448	7587	6991	6610	6799	6897
3500 MILITARY PERSONNEL, AF		1017	1104	1104	1104	1104	1104
022 GLOBAL TRANSPORTATION NETWORK (GTN)							
SUBTOTAL	4157						
WORKYEARS							
3080 OTHER PROCUREMENT, AF	4157						
NON-MAJOR AIS							
FAM PACER FRONTIER							
SUBTOTAL	1886	6069	5517	4026	2202		
WORKYEARS							
3080 OTHER PROCUREMENT, AF	1886	6069	5517	4026	2202		

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
NAA COMBAT WX AUTOMATION SPT							
SUBTOTAL	1553	250					
WORKYEARS							
3400 OPERATIONS & MAINT., AF	1553	250					
NEA OLA USAFETAC							
SUBTOTAL			800	5312		2400	
WORKYEARS							
3080 OTHER PROCUREMENT, AF			800	5312		2400	
NET USAFETAC COMPLEX							
SUBTOTAL					9000		
WORKYEARS							
3080 OTHER PROCUREMENT, AF					9000		
MGC COMPUTER FLIGHT PLANS							
SUBTOTAL	1012	1017	1720	1800			2089
WORKYEARS							
3080 OTHER PROCUREMENT, AF							2089
3400 OPERATIONS & MAINT., AF	1012	1017	1720	1800			

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>MCD SDHS</b>							
SUBTOTAL	10250	27958	3165	500			
WORKYEARS							
3080 OTHER PROCUREMENT, AF	4605	15923	1635				
3400 OPERATIONS & MAINT., AF	5645	12035	1530	500			
<b>NGM SATELLITE DATA HANDLING SYSTEM II</b>							
SUBTOTAL							7073
WORKYEARS							
3080 OTHER PROCUREMENT, AF							7073
<b>NGS SYS 3/5/6 CDFS II</b>							
SUBTOTAL	300	350	300		100		
WORKYEARS							
3400 OPERATIONS & MAINT., AF	300	350	300		100		
<b>NGW WIPS ANAPS/GTNAPS</b>							
SUBTOTAL	1536	100	1149	1298	2627	6270	1442
WORKYEARS							
3080 OTHER PROCUREMENT, AF					2474	5308	
3400 OPERATIONS & MAINT., AF	1536	100	1149	1298	153	962	1442

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
-----							
MSC AFSPC COMPLEX							
SUBTOTAL	1448	832	1100				
WORKYEARS							
3080 OTHER PROCUREMENT, AF	155						
3400 OPERATIONS & MAINT., AF	1293	832	1100				
PBC MCSS DEVELOPMENT AND O&M							
SUBTOTAL	4711	4000	3413	4000			
WORKYEARS							
3400 OPERATIONS & MAINT., AF	4711	4000	3413	4000			
SAA C2 CINCSTRAT MOBILE ALTERNATE HEADQUARTERS (CMAN)							
SUBTOTAL	4912	4636	2891	2952	491	487	490
WORKYEARS							
3080 OTHER PROCUREMENT, AF	4912	4636	2891	2952	491	487	490
TBJ COMMAND AND CONTROL SYSTEMS							
SUBTOTAL	3053						
WORKYEARS							
3080 OTHER PROCUREMENT, AF	3053						



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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
157 WWCSS							
SUBTOTAL	16562	1465	1055	1055	1055	1055	1055
WORKYEARS		25	25	25	25	25	25
3080 OTHER PROCUREMENT, AF	15795						
3400 OPERATIONS & MAINT., AF	716	900	441	441	441	441	441
3500 MILITARY PERSONNEL, AF		565	614	614	614	614	614
3600 RDT&E, AF	51						
180 WING COMMAND AND CONTROL SYSTEM (WCCS)							
SUBTOTAL	3597	1003		113	133	160	149
WORKYEARS							
3400 OPERATIONS & MAINT., AF	3597	1003		113	133	160	149
MISCELLANEOUS DEV/MOD							
SUBTOTAL	14941	11714	14640	11344	8905	9719	10239
WORKYEARS		16	16	16	16	16	16
3080 OTHER PROCUREMENT, AF	9991	5450	10420	7035	2509	2963	3078
3400 OPERATIONS & MAINT., AF	4950	5662	3149	3052	5014	5111	5315
3500 MILITARY PERSONNEL, AF		602	654	654	654	654	654
4930 DEF BUSINESS OPS FUND, A			425	603	728	991	1192
TOTAL COMMAND AND CONTROL							
SUBTOTAL	193871	154131	89150	69136	59271	62582	50841
WORKYEARS	21	103	103	103	103	103	103
3080 OTHER PROCUREMENT, AF	101635	74669	41939	40903	38053	40549	27600
3400 OPERATIONS & MAINT., AF	51223	62486	38173	22099	14959	15511	16518
3500 MILITARY PERSONNEL, AF	859	2976	3231	3231	3231	3231	3231
3600 RDT&E, AF	40154	14000	5382	2300	2300	2300	2300
4930 DEF BUSINESS OPS FUND, A			425	603	728	991	1192

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
-----							
2 COMPLIANCE							
MISCELLANEOUS DEV/MOD							
SUBTOTAL	374	475	120	151	128	134	139
WORKYEARS							
3400 OPERATIONS & MAINT., AF	374	475	120	151	128	134	139
TOTAL COMPLIANCE							
SUBTOTAL	374	475	120	151	128	134	139
WORKYEARS							
3400 OPERATIONS & MAINT., AF	374	475	120	151	128	134	139

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
3 HEALTH							
MISCELLANEOUS DEV/MOD							
SUBTOTAL	42	57	57	58	58	58	59
WORKYEARS							
3400 OPERATIONS & MAINT., AF	42	57	57	58	58	58	59
TOTAL HEALTH							
SUBTOTAL	42	57	57	58	58	58	59
WORKYEARS							
3400 OPERATIONS & MAINT., AF	42	57	57	58	58	58	59

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A. DEVELOPMENT/MODERNISATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>4 HUMAN RESOURCES</b>							
<b>MAJOR AIS</b>							
021 PERSONNEL CONCEPTS III (PC III)							
SUBTOTAL	31202	4536	1700	1820	1920	2020	2130
WORKYEARS	28						
3080 OTHER PROCUREMENT, AF	26617	2946					
3400 OPERATIONS & MAINT., AF	3725	1590	1700	1820	1920	2020	2130
3500 MILITARY PERSONNEL, AF	860						
<b>NON-MAJOR AIS</b>							
JPR PROMIS II							
SUBTOTAL	4781	5473					
WORKYEARS							
3080 OTHER PROCUREMENT, AF	4781	5473					
109 PERSONNEL DATA SYSTEMS-90 (PDS-90) ACQUISITION							
SUBTOTAL	3977	2503	1521	701	733	5509	5718
WORKYEARS							
3080 OTHER PROCUREMENT, AF	3977	2503	1521	701	733	5509	5718

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A. DEVELOPMENT/MODERNISATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<hr/>							
SAA AUTOMATED RECORDS MANAGEMENT SYSTEM (ARMS)							
SUBTOTAL	1882	4404	1172				
WORKYEARS							
3080 OTHER PROCUREMENT, AF	1882	4404	1172				
MISCELLANEOUS DEV/MOD							
SUBTOTAL	10431	7916	4007	4497	4303	4392	4479
WORKYEARS	35	35	35	35	35	35	35
3080 OTHER PROCUREMENT, AF	8227	5859	1775	2176	2021	2070	2141
3400 OPERATIONS & MAINT., AF	2204	2057	2232	2321	2282	2322	2338
TOTAL HUMAN RESOURCES							
SUBTOTAL	52273	24832	8400	7018	6956	11921	12327
WORKYEARS	63	35	35	35	35	35	35
3080 OTHER PROCUREMENT, AF	45484	21185	4468	2877	2754	7579	7859
3400 OPERATIONS & MAINT., AF	5929	3647	3932	4141	4202	4342	4468
3500 MILITARY PERSONNEL, AF	660						

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
S INFO MGT TECHNICAL INFRASTRUCTURE							
MAJOR AIS							
008 LOCAL AREA NETWORK (LAN)							
SUBTOTAL		2280	760				
WORKYEARS							
3080 OTHER PROCUREMENT, AF		2280	760				
NON-MAJOR AIS							
FAJ NETWORK CONTROL CENTER (NCC)							
SUBTOTAL		1592					
WORKYEARS							
4930 DEF BUSINESS OPS FUND, A		1592					
FAS MODERNIZATION OF DEFENSE LOGISTICS STANDARD SYSTEMS (MO)							
SUBTOTAL		74					
WORKYEARS							
3400 OPERATIONS & MAINT., AF		71					
4930 DEF BUSINESS OPS FUND, A		3					

DEPARTMENT OF THE AIR FORCE  
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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>JAF AFIT COMPUTER INFRASTRUCTURE</b>							
SUBTOTAL			12	15	18	23	33
WORKYEARS							
3080 OTHER PROCUREMENT, AF			12	15	18	23	33
<b>JCI AIR UNIVERSITY COMPUTER INFRASTRUCTURE</b>							
SUBTOTAL				1	1	1	1
WORKYEARS							
3080 OTHER PROCUREMENT, AF				1	1	1	1
<b>YMD DEFENSE MESSAGE SYSTEM - AIR FORCE (DMS-AF)</b>							
SUBTOTAL	3334	5869	28650	21275	21729	15339	15562
WORKYEARS		27	27	27	27	27	27
3080 OTHER PROCUREMENT, AF	3334	4840	27131	13664	13718	13823	14046
3400 OPERATIONS & MAINT., AF		87	496	6588	6988	493	493
3500 MILITARY PERSONNEL, AF		942	1023	1023	1023	1023	1023
<b>MISCELLANEOUS DEV/MOD</b>							
SUBTOTAL	1432	856	577	1215	1209	1205	1202
WORKYEARS	3						
3400 OPERATIONS & MAINT., AF	1432	856	577	1215	1209	1205	1202
<b>TOTAL INFO MGT TECHNICAL INFRASTRUCTURE</b>							
SUBTOTAL	6432	9005	29999	22506	22957	16568	16798
WORKYEARS	3	27	27	27	27	27	27
3080 OTHER PROCUREMENT, AF	3334	7120	27903	13680	13737	13847	14080
3400 OPERATIONS & MAINT., AF	1503	943	1073	7803	8197	1698	1695
3500 MILITARY PERSONNEL, AF		942	1023	1023	1023	1023	1023
4930 DEF BUSINESS OPS FUND, A	1595						

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A. DEVELOPMENT/MODERNISATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>6 INFORMATION MANAGEMENT RESOURCES</b>							
MAJOR AIS							
013 AIR FORCE EQUIPMENT MANAGEMENT SYSTEM (AFEMS)							
SUBTOTAL	7857						
WORKYEARS							
3400 OPERATIONS & MAINT., AF	7857						
NON-MAJOR AIS							
FAA HQ AFMC OFFICE AUTOMATION & SUPPORT PERSONNEL							
SUBTOTAL	4570						
WORKYEARS							
4930 DEF BUSINESS OPS FUND, A	4570						
FTS SATELLITE CONTROL FACILITY							
SUBTOTAL	34701	30005	25810	26410	21996	27035	28833
WORKYEARS							
3080 OTHER PROCUREMENT, AF	34701	30005	25810	26410	21996	27035	28833



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A. DEVELOPMENT/MODERNISATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
JAL INTEGRATED LIBRARY SYSTEM							
SUBTOTAL		979					
WORKYEARS							
3000 OTHER PROCUREMENT, AF		979					
JAT ADVANCED TRAINING SYSTEM (ATS)							
SUBTOTAL	2229	9015	3502	5203	3794	3737	3730
WORKYEARS							
3000 OTHER PROCUREMENT, AF	2229	9015	3502	5203	3794	3737	3730
JTT TRAINING TECHNOLOGY APPLICATIONS PROGRAM (TTAP)							
SUBTOTAL	539	1060	1020	1044	1921	1960	2043
WORKYEARS							
3000 OTHER PROCUREMENT, AF	539	1060	1020	1044	1921	1960	2043
YMA STANDARD BASE-LEVEL COMPUTER (SBLC) LIFE CYCLE MAN							
SUBTOTAL	900	011	057	26445	25502		
WORKYEARS							
3400 OPERATIONS & MAINT., AF	900	011	057	26445	25502		

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>128 CARGO MOVEMENT OPERATIONS SYSTEM (CMOS)</b>							
SUBTOTAL	25068	5995	5079	4370	3758	3805	4027
WORKYEARS	12	5	5	5	5	5	5
3080 OTHER PROCUREMENT, AF	15017	1190	365	185	382	433	343
3400 OPERATIONS & MAINT., AF	9682	4730	4632	4103	3294	3290	3602
3500 MILITARY PERSONNEL, AF	369	75	82	82	82	82	82
<b>153 SYSTEMS MODERNIZATION FOR SBLC SYSTEMS</b>							
SUBTOTAL	17929	30004	28732	20090	15411	14358	11630
WORKYEARS							
3080 OTHER PROCUREMENT, AF	2805	2717	15524	7294	4258	4845	4718
3400 OPERATIONS & MAINT., AF	15124	27287	13208	12796	11153	9513	6912
<b>MISCELLANEOUS DEV/MOD</b>							
SUBTOTAL	7277	29669	17143	20191	22532	19480	15165
WORKYEARS		63	63	63	63	63	63
3080 OTHER PROCUREMENT, AF	4206	25371	13095	16210	18781	15715	11384
3400 OPERATIONS & MAINT., AF	1914	2528	2126	2059	1829	1843	1859
3500 MILITARY PERSONNEL, AF		1770	1922	1922	1922	1922	1922
4930 DEF BUSINESS OPS FUND, A	1157						
<b>TOTAL INFORMATION MANAGEMENT RESOURCES</b>							
SUBTOTAL	101158	108346	82943	104633	94914	70383	65428
WORKYEARS	12	68	68	68	68	68	68
3080 OTHER PROCUREMENT, AF	59497	71145	60116	57226	51132	53733	51051
3400 OPERATIONS & MAINT., AF	35565	35356	20823	45403	41778	14646	12373
3500 MILITARY PERSONNEL, AF	369	1845	2004	2004	2004	2004	2004
4930 DEF BUSINESS OPS FUND, A	5727						

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<b>7 MATERIEL RESOURCES</b>							
<b>MAJOR AIS</b>							
<b>004 REQUIREMENTS DATA BANK (RDB)</b>							
SUBTOTAL	24320	20316	12131	11177	11177	11177	11177
WORKYEARS	19	19	19				
3400 OPERATIONS & MAINT., AF	963	784	872				
3500 MILITARY PERSONNEL, AF	41	75	82				
4930 DEF BUSINESS OPS FUND, A	23316	19457	11177	11177	11177	11177	11177
<b>007 DEPOT MAINTENANCE MANAGEMENT INFORMATION SYSTEM (DPMIS)</b>							
SUBTOTAL	34238	831	792	11	6		
WORKYEARS	51	10	10				
3400 OPERATIONS & MAINT., AF	2115	564	573				
3500 MILITARY PERSONNEL, AF	123	188	204				
4930 DEF BUSINESS OPS FUND, A	32000	79	15	11	6		
<b>012 RELIABILITY &amp; MAINTAINABILITY INFORMATION SYSTEM (REMIS)</b>							
SUBTOTAL	10287	10134	513	5775	5344	347	347
WORKYEARS	22	11	11	9	8	8	8
3080 OTHER PROCUREMENT, AF				5387	4997		
3400 OPERATIONS & MAINT., AF	897	345	308	265	265	265	265
3500 MILITARY PERSONNEL, AF	164	189	205	123	82	82	82
4930 DEF BUSINESS OPS FUND, A	9226	9600					

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A. DEVELOPMENT/MODERNISATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<hr/>							
017 CORE AUTOMATED MAINTENANCE SYSTEM (CAMS)							
SUBTOTAL	2377	4320	4131	3520	3626	3586	3989
WORKYEARS		69	69	69	69	69	69
3400 OPERATIONS & MAINT., AF	1044	2020	1714	1048	1153	1140	1486
3500 MILITARY PERSONNEL, AF		1998	2167	2167	2167	2167	2167
3840 OPERATIONS & MAINT., ANG	1333	302	250	305	306	279	336
019 COMBAT AMMUNITION SYSTEM (CAS)							
SUBTOTAL	11159	18869	15385	10694	11907	8989	10271
WORKYEARS		58	58	58	58	58	58
3080 OTHER PROCUREMENT, AF	2611	4684	3981	3737	4120	4675	4550
3400 OPERATIONS & MAINT., AF	8548	10753	9850	5403	6233	2760	4167
3500 MILITARY PERSONNEL, AF		1432	1554	1554	1554	1554	1554
NON-MAJOR AIS							
FAY INTEGRATED DATA STRATEGY (IDS)							
SUBTOTAL		14800	19000	22300	24500	16100	15800
WORKYEARS							
4930 DEF BUSINESS OPS FUND, A		14800	19000	22300	24500	16100	15800
136 FUELS AUTOMATED MANAGEMENT SYSTEM (FAMS)							
SUBTOTAL	10144	13318	12081	10987	11270	13503	13007
WORKYEARS	33	34	34	34	34	34	34
3080 OTHER PROCUREMENT, AF	2545	6179	8193	8464	7866	10351	10201
3400 OPERATIONS & MAINT., AF	6985	6838	3561	2196	3077	2825	2479
3500 MILITARY PERSONNEL, AF	614	301	327	327	327	327	327

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
-----							
MISCELLANEOUS DEV/MOD							
SUBTOTAL	6616	1115	176	176	176	176	176
WORKYEARS	4	4	4	4	4	4	4
3080 OTHER PROCUREMENT, AF		932					
3400 OPERATIONS & MAINT., AF	6616	183	176	176	176	176	176
TOTAL MATERIEL RESOURCES							
SUBTOTAL	99141	83703	64209	64640	68006	53878	54767
WORKYEARS	129	213	213	174	173	173	173
3080 OTHER PROCUREMENT, AF	5156	13795	12174	17588	16983	15026	14751
3400 OPERATIONS & MAINT., AF	27168	21487	17054	9088	10904	7166	8573
3500 MILITARY PERSONNEL, AF	942	4183	4539	4171	4130	4130	4130
3840 OPERATIONS & MAINT., ANG	1333	302	250	305	306	279	336
4930 DEF BUSINESS OPS FUND, A	64542	43936	30192	33488	35683	27277	26977

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A. DEVELOPMENT/MODERNISATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>B OTHER</b>							
NON-MAJOR AIS							
FAG EMBEDDED COMPUTER RESOURCES SUPPORT IMPROVEMENT PGM (ESIP)							
SUBTOTAL	4706	3110	2733	1579	2230	2090	1670
WORKYEARS							
3000 OTHER PROCUREMENT, AF	4706	3110	2733	1579	2230	2090	1670
JAF AFIT COMPUTER INFRASTRUCTURE							
SUBTOTAL		666	581	544	565	576	587
WORKYEARS							
3000 OTHER PROCUREMENT, AF		666	581	544	565	576	587
JWG AIR FORCE WARGAMING CENTER							
SUBTOTAL		1408	1400	1651	1627	1675	1702
WORKYEARS							
3400 OPERATIONS & MAINT., AF		1408	1400	1651	1627	1675	1702

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
OCI AIR UNIVERSITY COMPUTER INFRASTRUCTURE							
SUBTOTAL	2713						
WORKYEARS							
3000 OTHER PROCUREMENT, AF	2713						
OSD AFIT COMPUTER INFRASTRUCTURE SUPPORT							
SUBTOTAL	507						
WORKYEARS							
3000 OTHER PROCUREMENT, AF	507						
OWG AIR FORCE WARGAMING CENTER							
SUBTOTAL	645						
WORKYEARS							
3000 OTHER PROCUREMENT, AF	645						
TBE B2 COMPUTER SUPPORT							
SUBTOTAL	2045	298					
WORKYEARS							
3000 OTHER PROCUREMENT, AF	2045	298					

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
TCC COMMAND POST UPGRADE							
SUBTOTAL	2880	2431		2430			
WORKYEARS							
3080 OTHER PROCUREMENT, AF	2880	2431		2430			
YAA AIR FORCE CORPORATE DATA DICTIONARY (AFCDG)							
SUBTOTAL		1675	7725	7230	4326	3113	1810
WORKYEARS							
3400 OPERATIONS & MAINT., AF		1675	7725	7230	4326	3113	1810
181 ADP OPERATIONS CONSOLIDATION							
SUBTOTAL	138274	90596	9545	5892	6665	5908	5058
WORKYEARS							
3080 OTHER PROCUREMENT, AF	119459	67846					
3400 OPERATIONS & MAINT., AF	18815	22750	9545	5892	6665	5908	5058
MISCELLANEOUS DEV/MOD							
SUBTOTAL	15161	7075	8784	9117	8958	9211	9491
WORKYEARS	45	24	24	24	24	24	24
3080 OTHER PROCUREMENT, AF	6109	2899	2674	2848	2891	2937	3016
3400 OPERATIONS & MAINT., AF	7610	3271	5128	5287	5085	5292	5493
3500 MILITARY PERSONNEL, AF	1434	905	982	982	982	982	982
TOTAL OTHER							
SUBTOTAL	167811	107259	30768	28443	24371	22573	20318
WORKYEARS	45	24	24	24	24	24	24
3080 OTHER PROCUREMENT, AF	139944	77250	5988	7401	5686	5603	5273
3400 OPERATIONS & MAINT., AF	26433	29104	23798	20060	17703	15988	14063
3500 MILITARY PERSONNEL, AF	1434	905	982	982	982	982	982



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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>9 PROCUREMENT</b>							
<b>MAJOR AIS</b>							
<b>003 CONTRACTING DATA MANAGEMENT SYSTEM (CDMS)</b>							
SUBTOTAL	3545	2303	1767	132	132	132	132
WORKYEARS	16	3	3	3	3	3	3
3400 OPERATIONS & MAINT., AF	792	159	132	132	132	132	132
4930 DEF BUSINESS OPS FUND, A	2753	2144	1635				
<b>TOTAL PROCUREMENT</b>							
SUBTOTAL	3545	2303	1767	132	132	132	132
WORKYEARS	16	3	3	3	3	3	3
3400 OPERATIONS & MAINT., AF	792	159	132	132	132	132	132
4930 DEF BUSINESS OPS FUND, A	2753	2144	1635				

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
-----							
10 RESEARCH & DEVELOPMENT							
MISCELLANEOUS DEV/MOD							
SUBTOTAL	7356	5500	6000	6000	6000	6000	6000
WORKYEARS							
3600 RDT&E, AF	7356	5500	6000	6000	6000	6000	6000
TOTAL RESEARCH & DEVELOPMENT							
SUBTOTAL	7356	5500	6000	6000	6000	6000	6000
WORKYEARS							
3600 RDT&E, AF	7356	5500	6000	6000	6000	6000	6000

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
<b>11 WAR PLANNING</b>							
MISCELLANEOUS DEV/MOD							
SUBTOTAL	5411	2380	726	912	1018	1040	1061
WORKYEARS							
3080 OTHER PROCUREMENT, AF	629	683	651	820	932	950	968
3400 OPERATIONS & MAINT., AF	4782	1697	75	92	86	90	93
<b>TOTAL WAR PLANNING</b>							
SUBTOTAL	5411	2380	726	912	1018	1040	1061
WORKYEARS							
3080 OTHER PROCUREMENT, AF	629	683	651	820	932	950	968
3400 OPERATIONS & MAINT., AF	4782	1697	75	92	86	90	93

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A. DEVELOPMENT/MODERNIZATION	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999
-----							
TOTAL DEVELOPMENT/MODERNIZATION							
DOLLARS	637414	497991	314159	303629	283811	245269	227870
WORKYEARS	289	473	473	434	433	433	433
3080 OTHER PROCUREMENT, AF	355679	265047	153239	140495	129277	137287	121582
3400 OPERATIONS & MAINT., AF	153811	155411	105237	109027	98147	59765	58113
3500 MILITARY PERSONNEL, AF	4464	10851	11779	11411	11370	11370	11370
3600 RDT&E, AF	47510	19500	11382	8300	8300	8300	8300
3840 OPERATIONS & MAINT., ANG	1333	302	250	305	306	279	336
4930 DE' BUSINESS OPS FUND, A	74617	46080	32272	34091	36411	28268	28169

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B. OPERATIONS AND OTHER COST	FY1993	FY1994	FY1995
<b>1 COMMAND AND CONTROL</b>			
SUBTOTAL	323977	298042	296800
WORKYEARS	3888	3702	3669
3080 OTHER PROCUREMENT, AF	2814		3000
3400 OPERATIONS & MAINT., AF	173573	161335	149097
3500 MILITARY PERSONNEL, AF	135328	119201	128699
3840 OPERATIONS & MAINT., ANG	12	5252	5280
4930 DEF BUSINESS OPS FUND, A	12250	12254	10724
<b>2 COMPLIANCE</b>			
SUBTOTAL	4568	2954	2424
WORKYEARS	51	51	51
3400 OPERATIONS & MAINT., AF	2889	1409	747
3500 MILITARY PERSONNEL, AF	1679	1545	1677
<b>3 FINANCE</b>			
SUBTOTAL	525	415	403
WORKYEARS		9	7
3400 OPERATIONS & MAINT., AF	500	390	378
4930 DEF BUSINESS OPS FUND, A	25	25	25
<b>4 HEALTH</b>			
SUBTOTAL	1644	1626	1731
WORKYEARS	25	25	25
3400 OPERATIONS & MAINT., AF	1141	1157	1222
3500 MILITARY PERSONNEL, AF	491	452	491
3840 OPERATIONS & MAINT., ANG	12	17	18

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B. OPERATIONS AND OTHER COST	FY1993	FY1994	FY1995
<b>5 HUMAN RESOURCES</b>			
SUBTOTAL	29066	29155	29900
WORKYEARS	176	184	184
3400 OPERATIONS & MAINT., AF	28329	28412	29098
3500 MILITARY PERSONNEL, AF	737	679	737
3840 OPERATIONS & MAINT., ANG		64	65
<b>6 INFO NOT TECHNICAL INFRASTRUCTURE</b>			
SUBTOTAL	458174	380153	429177
WORKYEARS	118	74	73
3400 OPERATIONS & MAINT., AF	396904	351144	391144
3500 MILITARY PERSONNEL, AF	164	452	491
3740 OPERATIONS & MAINT., AFR	6368	3923	6901
3840 OPERATIONS & MAINT., ANG	38239	16209	18299
4930 DEF BUSINESS OPS FUND, A	16499	8425	12342
<b>7 INFORMATION MANAGEMENT RESOURCES</b>			
SUBTOTAL	465204	466434	409342
WORKYEARS	4173	3367	3329
3080 OTHER PROCUREMENT, AF	2622	3880	3759
3300 MILITARY CONSTRUCTION, A		4300	
3400 OPERATIONS & MAINT., AF	282256	300853	239777
3500 MILITARY PERSONNEL, AF	73382	69156	74562
3600 RDT&E, AF	36581	33518	37691
3700 MILITARY PERSONNEL, AFR	82	75	82
3740 OPERATIONS & MAINT., AFR	220	217	221
3840 OPERATIONS & MAINT., ANG	66	185	202
4930 DEF BUSINESS OPS FUND, A	69995	54250	53048
<b>8 MATERIEL RESOURCES</b>			
SUBTOTAL	145225	90693	89471
WORKYEARS	1319	1313	1297
3400 OPERATIONS & MAINT., AF	41887	17514	17998
3500 MILITARY PERSONNEL, AF	25917	27474	29813
3600 RDT&E, AF	778		
3700 MILITARY PERSONNEL, AFR	451	414	449
3740 OPERATIONS & MAINT., AFR	25990	6726	9762
3840 OPERATIONS & MAINT., ANG	7999	4575	4271
4930 DEF BUSINESS OPS FUND, A	42203	33990	27178
<b>9 OTHER</b>			
SUBTOTAL	246840	159030	173382
3400 OPERATIONS & MAINT., AF	169739	104666	114672
3500 MILITARY PERSONNEL, AF	59294	38482	41594
3600 RDT&E, AF	17732	15813	16311
4930 DEF BUSINESS OPS FUND, A	75	69	805

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B. OPERATIONS AND OTHER COST	FY1993	FY1994	FY1995
<b>10 PLANNING, PROGRAMMING, BUDGET &amp; SUPPORT SERVICES</b>			
SUBTOTAL	234		160
WORKYEARS			
3400 OPERATIONS & MAINT., AF	234		160
<b>11 PROCUREMENT</b>			
SUBTOTAL	2389	5570	4937
WORKYEARS	24	27	26
3400 OPERATIONS & MAINT., AF	1706	4948	4296
3500 MILITARY PERSONNEL, AF		226	245
3640 OPERATIONS & MAINT., ANG	574	288	288
4930 DEF BUSINESS OPS FUND, A	100	100	100
<b>12 RESEARCH &amp; DEVELOPMENT</b>			
SUBTOTAL	6133	6503	6403
WORKYEARS	3	28	28
3400 OPERATIONS & MAINT., AF	670	164	17
3500 MILITARY PERSONNEL, AF	41	415	450
3600 RDT&E, AF	5422	5924	5936
<b>13 RESERVE COMPONENTS</b>			
SUBTOTAL	5386	2560	3141
WORKYEARS	31	31	31
3400 OPERATIONS & MAINT., AF	380	218	225
3700 MILITARY PERSONNEL, AFR	737	679	737
3740 OPERATIONS & MAINT., AFR	4247	1610	2121
3840 OPERATIONS & MAINT., ANG	22	53	58
<b>14 WAR PLANNING</b>			
SUBTOTAL	7351	3110	396
WORKYEARS			
3400 OPERATIONS & MAINT., AF	7351	3110	396



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B. OPERATIONS AND OTHER COST	FY1993	FY1994	FY1995
-----			
TOTAL OPERATIONS AND OTHER COST			
DOLLARS	1696715	1446245	1447667
WORKYEARS	11891	10387	10292
3080 OTHER PROCUREMENT, AF	5436	3880	6759
3380 MILITARY CONSTRUCTION, A		4300	
3400 OPERATIONS & MAINT., AF	1107559	975320	949227
3500 MILITARY PERSONNEL, AF	297033	258082	278759
3600 RDT&E, AF	60513	55255	59938
3700 MILITARY PERSONNEL, AFR	1270	1168	1268
3740 OPERATIONS & MAINT., AFR	36825	12476	19005
3840 OPERATIONS & MAINT., ANG	46924	26643	28481
4830 DEF BUSINESS OPS FUND, A	141155	109121	104230

**EXHIBIT 43N**  
**NARRATIVE STATEMENT**

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**COMMAND AND CONTROL**

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#### PROCUREMENT

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## **COMMAND AND CONTROL**



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DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Strategic War Planning System (SWPS)  
001 COMMAND & CONTROL/STRATEGIC COMMAND & CONTROL

2. Responsible Organization: US Strategic Command  
Offutt AFB, NE 68113-6600  
Program Manager: Colonel David C. Balsillie  
USSTRATCOM/J66  
DSN 271-2332

3. Scope:

a. Mission Supported: SWPS is an operational system evolving to meet changing threats and national guidance. It is the only system in DOD responsible for targeting all strategic nuclear weapons in the TRIAD. SWPS indefinite period of operational life is based on the continuing need for strategic war planning computer systems.

b. Functions Performed: SWPS is a "global program" comprised of a multitude of projects necessary to plan, disseminate, and implement strategic war plans. The system consists of computer hardware/software required to match weapon systems to targets for production and maintenance of the single integrated operational plan (SIOP). Planning is accomplished by USSTRATCOM on the TRIAD computer system (TRICOMS). SWPS supports CINCPAC strategic forces and allied forces' nuclear weapons coordinated with the SIOP. SWPS current technology standards, including management, equipment, software, data, and connectivity, are applied across two operating environments: (1) force planning at USSTRATCOM and (2) force planning that is deployable/survivable.

c. Current Resources Used: ADP resources utilized include the TRIAD computer system (TRICOMS) which supports USSTRATCOM's force planning. The system consists of two mainframe computer processing units, 65 tape drives, 131 disk storage devices, over 700 graphic/textual terminals and workstations, 21,000 tapes, and over 1 terra byte (1000 billion bytes) of information. Current commercial off-the-shelf (COTS) hardware and software exceeds \$76 million. The military and civilian personnel assigned directly to the SWPS program element numbers 350. These people perform functions ranging from corrective maintenance, software programming, operations, and program management.

4. Benefits: This program provides war planning support for all SIOP committed forces and is planned to support non-SIOP nuclear forces. With one program supporting multiple war planning organizations (e.g., NCA, JCS, NSWC, AFSPACOM, ACC, AMC, etc.), nuclear war planning requirements are satisfied with one system vice multiple non-compatible systems. Procurement strategy for replacement systems includes: multi-year requirements contracts, competitively awarded; technology and price competition during contract execution; maximized commercial off-the-shelf equipment and software; and SWPS architecture compatibility. Multi-year requirements contracts allow for tailored equipment configuration based on evolving national requirements. Price competition during contract execution is attained by providing the requirement to the integrator who must then compete the requirement through multiple sources ensuring the lowest price solution for the Government.

5. Milestones: A MAISRC in-process review of the SWPS program and its planned modernization increments was held on 26 January 1994. Recognizing the

importance in providing a more responsive and flexible planning system to meet current and future strategic war planning needs, the MAISRC approved the SWPS modernization plan. A CINCSTRAT approved mission need statement (MNS) for system improvement was submitted August 1993 and has been validated/approved by JCS. The SWPS program has been certified under Section 8023 of the FY94 DOD appropriations act.

6. Major Items of Interest:

a. Status: This report portrays the Strategic War Planning System (SWPS) funding after the establishment of U.S. Strategic Command (USSTRATCOM) and the disestablishment of Strategic Air Command (SAC), 1 June 1992. Funds utilized for the support of unit level programs, i.e.: Strategic Mission Data Preparation System (SMDPS)/Mission Data Preparation System (MDPS), have transferred to Air Combat Command (ACC).

b. Contracts: SWPS involves numerous contracts which provide hardware, system/applications software, system support, maintenance, integration support, training, pre-installation test facility, communications network support, and site preparation. The hardware consists of commercially available non-developmental items such as mainframe central processing units, direct access storage devices, graphic workstations, smart terminals, and associated peripheral and ancillary equipment. The software consists of commercially available, non-developmental system software such as operating systems, data base management, communications, and utility software as well as development software for such activities as missile and aircraft applications, target development, war gaming and penetration analysis.

c. Changes to Resources: None. Life-cycle cost (FY94-FY03) includes all costs of system development, procurement, operation and support. Program cost (FY94-FY03) includes only modernization (investment) costs. Sunk costs (FY93-FY94) includes only modernization (investment) costs incurred in current and prior year. Cost to complete (FY94-FY03) includes only modernization (investment) costs. Program costs and costs to complete are the same during this initial reporting year following the MAISRC approved in-process review.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 890.507 (in millions of dollars)  
Current estimate - \$ 890.507 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 799.002 (in millions of dollars)  
Current estimate - \$ 799.002 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 208.044 (in millions of dollars)  
Current estimate - \$ 208.044 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 188.340 (in millions of dollars)  
Current estimate - \$ 188.340 (in millions of dollars)  
(3) Sunk cost - \$ 63.390 (in millions of dollars)  
(4) Cost to complete - \$ 208.044 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Weapon System Management Information System/Automated Weapon System Master Plan (WSMIS/AWSMP)  
002 COMMAND & CONTROL/C2 SUPPORT SYSTEMS

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Major Mickey J. Miller  
MSC/SXW  
Wright-Patterson AFB, OH 45433  
DSN 787-3101

3. Scope:

a. Mission Supported: The Automated Weapon System Master Plan (AWSMP) (AWSMP) module provided a unique capability that automates the single manager's strategic level long-range planning process. The process culminates in the publication 12 year master plans. These plans project mission requirements, system performances, programs, and funding to insure that the system can continue to meet peacetime and wartime requirements. The current AWSMP has been expanded to include Weapon System Master Plan (WSMP) templates for "Communications-Electronics and Space Systems" and "Aerospace Ground Equipment".

b. Functions Performed: The AWSMP is an automated planning process which replaces a prepared document required annually by AFR 400-3, "Weapon System Program Management". AWSMP provides weapon system process guidance, produces a system configuration, maintains quality control access to planning products, communicates between weapon system planners, and archives information for future reference. The AWSMP system assesses weapon system warfighting performance by obtaining weapon system combat capability data and design performance measure requirements. The AWSMP provides program development guidance, selection of optimum candidate programs, development of program funding requirement summaries, and weapon system program prioritization. The AWSMP develops a weapon system program funding profile, analyzes program funding imbalances, and recommends funding reallocation. The plan presents a brief overview of general engines specification information that relates to the aircraft mission design series (MDS). It provides an explanation of any significant performance shortfalls against the engine support status measures table. It also provides a brief overview of current and projected foreign military sales (FMS) inventories and planned FMS sales information. The final development effort, which is now in progress, will achieve full operational capability in December 94. This upgrade will provide a direct interface with the Modification Management System (MMS), enhance the data transmission speeds from site-to-site for upload and download of master plans.

c. Current Resources Used: The AWSMP is an unclassified system that has primary operating software residing on the AMDAHL (IBM) mainframe computer at Wright-Patterson AFB, Ohio. The AWSMP secondary software is installed on each user's PC. Uploads and downloads are made through on-line interfaces access using local area network (LAN), Telnet sessions on the Defense Data Network (DDN), and system network interconnection (SNI) sessions on the Defense Commercial Telecommunications Network (DCTN). Data transfer for the upload/download capability is accomplished by SIMPC Master SIMware. The AWSMP currently requires Wordperfect 5.1 and Harvard Graphics 3.0.

4. Benefits: AWSMP furnishes the SPD with an automated (electronic) generation of the Weapons System Master Plan. It decreases the time and effort required to compile the information that is included in the WSMP. It increases the comprehensiveness of the analysis that can be accomplished during the preparation of a WSMP. AWSMP will improve the long-range planning process to the degree that it will result in increased combat capability. The most recent return on investment (ROI), dated 6 Aug 1993, reflects a savings investment ratio of 9.214 to 1.442 and an ROI ratio of 6.39 to 1.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	IOC	90/12		DAC
II	FOC		94/12	DAC

6. Major Items of Interest:

a. Status: AWSMP reached Initial Operational Capability (IOC) in Dec 90 at SM-ALC with installation of the first production plan for the F-111 program. Full Operational Capability (FOC) will be achieved in Nov 93 when the final release of the AWSMP system software is delivered to all locations across AFMC, HQ ACC, HQ AMC, HQ USAF. and SAF/AQ.

b. Contracts:

(1) Volpe National Transportation Systems Center (VNTSC), US Department of Transportation, was tasked to provide contractor resources needed to support the operation and maintenance of AWSMP.

(2) The Analytic Sciences Corporation (TASC) contractor has accomplished the performance work statement (PWS) tasking to date and continues the process towards achieving FOC sometime in early FY95.

c. Changes to Resources: None.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 9.100 (in millions of dollars)  
Current estimate - \$ 9.100 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 8.700 (in millions of dollars)  
Current estimate - \$ 8.700 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 7.200 (in millions of dollars)

Current estimate - \$ 7.200 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)

Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ 7.200 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Cheyenne Mountain Upgrade  
015 COMMAND AND CONTROL, TACTICAL COMMAND AND CONTROL

2. Responsible Organization: Electronic Systems Command  
Hanscom AFB, MA 01731  
Program Manager: Col Michael C. Mushala  
ESC/SR  
DSN 470-5980

3. Scope:

a. Mission Supported: Process, correlate, display and distribute Integrated Tactical Warning and Attack Assessment (ITW&AA) information to USCINCSpace, CINCNORAD, various U&S CINCs, and the NCA. Provide correlated information critical to CINCNORAD/USCINCSpace for his assessment of space, ballistic missile, or air breathing attacks on CONUS to the U&S CINCs, the NCA, and allied nations. Provide means to track and catalog all objects in near earth orbit, and to warn owner/operator of threats or potential conflicts.

b. Functions Performed: Day-to-day operations and support for NORAD Cheyenne Mountain Complex ADP equipment processing, and correlating data received from a worldwide network of ballistic missile warning, atmospheric warning, space surveillance, and space defense/control sensors and displaying and distributing the resulting attack assessment information worldwide to the CINCs, the NMCC and NCA, and other users. Development and fielding of a replacement suite of H/W and S/W of current ITW&AA system.

c. Current Resources Used:

Hardware: 1 DEC VAX 6310, 2 DEC VAX 8700s, 5 IBM 3080s, 3 IBM 3090s, Micro VAX 2s, Micro VAX 3s, 1 DEC VAX 8650, STRATUS XA2000s, STRATUS XA600s.

Software: DEC VMS, DEC VAX Ada, CADRE Teamwork, IBM MVS-XA, Adabase, ICAS, MAS, SCCEX, Man-Machine Interface Executive.

4. Benefits: Will provide a distributed ADPE architecture of separate processors for air, space and missile warning attack assessment information. This distributed architecture will update the current monolithic ADPE suite to a baseline that incorporates current technology and provides a platform to update individual missions as technological capabilities, political structures, and national interests change. This weapon system is critical to the CINCNORAD/USCINCSpace for his assessment of air, space and missile attack assessments to U&S CINCs and the NCA.

5. Milestones: Milestones completed and ongoing were/are as follows:

Milestone	Description	Dates	Approval Level
Milestones 0 to III	CSSR IOC	Apr 91	DAB/MAISRC
	SPADOC 4B	Jul 91	DAB/MAISRC
	Granite Sentry PH2	Dec 91	DAB/MAISRC
	CCPDS-R IOC	Sep 93	DAB/MAISRC
	CSSR	Sep 94	DAB/MAISRC
	SCIS IOC	Nov 95	DAB/MAISRC



APCC IOC                      Dec 95      DAB/MAISRC  
 SPADOC 4C                   Sep 95      DAB/MAISRC

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
0 to III	See note above	95/05		DAB/MAISRC
Program RevI	FOC	89/89		DAB/MAISRC
Program RevII	STATUS UPDATE	92/06		DAB/MAISRC

6. Major Items of Interest:

a. Status: The C31 Systems Committee conducted a review of the CMU program on June 23, 1992. This review determined that the program is meeting the content, schedule, and funding criteria established in the October 25, 1989 ADM. The DAB did not meet because there were no issues identified by the committee. The Air Force was directed to continue program execution until Full Operational Capability is achieved in FY96.

b. Contracts:

SCIS - E-Systems, St. Petersburg FL  
 SPADOC 4C - Loral, Colorado Springs CO  
 CSSR - GTE, Waltham MA  
 CCPDS-R - TRW, Redondo Beach CA  
 Granite Sentry - Martin Marietta, Colorado Springs CO  
 APCC-No Prime (Needham MA)

c. Changes to Resources: N/A.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 4.656 (in millions of dollars)  
 Current estimate - \$ 4.646 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 3.745 (in millions of dollars)  
 Current estimate - \$ 3.765 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 1.663 (in millions of dollars)  
 Current estimate - \$ 1.653 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 1.561 (in millions of dollars)  
 Current estimate - \$ 1.581 (in millions of dollars)

- (3) Sunk cost - \$ 1.346 (in millions of dollars)
- (4) Cost to complete - \$ 0.307 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
AMC Command and Control Information Processing System (C2IPS)  
016 COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Mobility Command  
Scott AFB, IL 62225  
Program Manager: Col Steele  
HQ ESC/AVI  
DSN 478-5980

3. Scope:

a. Mission Supported: The primary area served by this program is Airlift and Aerial Refueling. Secondary mission areas are Strategic Command and Control, Theater Command and Control and Mobility Command and Control. AMC, as the DOD Single Manager for Airlift, requires secure, timely and accurate operational information gathered from worldwide locations to provide multi-theater airlift. As world events indicate a decrease in the need for forward based US forces, the need for rapid force projection capability increases. Effective command and control of forces committed to global airlift support is paramount. AMC C2IPS will improve command and control of our nation's airlift supporting military, political, and humanitarian needs. The comprehensive upgrade of airlift C2 capabilities is in response to MAC SON 3-81, 6 Mar 81, Upgrade of the MAC C2 System, validated by the Air Staff on 11 Dec 81. AMC C2IPS is one of the systems required to fulfill SON 3-81. This program supports the DBOF-Transportation business area.

b. Functions Performed: System will provide automated data and message handling and decision support aids to improve AMC's wartime C2 capability. It will provide quicker, more efficient access to local or theater information and distribute information to other command and control locations worldwide. It will provide critical summary level in-transit visibility information for use by senior decision makers. C2IPS is being developed in Ada code, supports an ongoing data standardization program in accordance with AFR 7-4 and DODI 8320.1, and will be completely open systems compliant (GOSIP/POSIX) by FY94. HASC 102-60 Special Report, Rationale for Continued Development/Modernization: (1) Operational Necessity: Contingencies such as DESERT STORM, Operation JUST CAUSE, Restore Hope and others continually catch the Airlift/Air Refueling mission with a shortage of command and control capability. Operational units in theater often waited days at our airfields for scheduled airlift to arrive which, because of operational necessity, had been diverted or delayed. C2IPS provides near-real time visibility of airlift schedules, airlift arrival and departures, and summary level load information. (2) Air Mobility Command Restructure: Part of the new Air Force restructure includes the creation of the Tanker Airlift Control Center at HQ AMC. All command and control capabilities previously located at the Airlift Divisions and Numbered Air Forces are being moved to Scott AFB under the centralized control of HQ AMC. It is critical that C2IPS be fielded to maintain visibility of mission execution information from the theaters.

c. Current Resources Used: Each C2IPS node consists of a VAX3800 file server and communications processor and up to 40 VAX station 4000-60 workstations. File Server, Communications Processor and all terminals are being replaced with GOSIP/POSIX Compliant ALPHA equipment during the second half of FY93. The workstations, file server and communications processor are all integrated on a fiber 802.3 local area network. The system is supported by

one contract systems administrator for each node. Currently 11 fixed nodes are located at strategic en route locations. When completely installed there will be 50 fixed and 118 deployable nodes capable of responding to worldwide contingencies with little or no notice.

4. Benefits: This system's worth is measured in capability. By improving timeliness and accuracy of information for airlift decision makers, AMC C2IPS will add an estimated equivalent of 12 strategic aircraft loads and 10 tactical aircraft loads to Air Force airlift capability daily. This approximates being able to haul 800,000 ton/miles per day more cargo without adding aircraft to the inventory. AMC C2IPS, as a force multiplier, will extend cargo hauling capability at less than half the cost of the aircraft needed to haul 800,000 ton/miles of cargo.

5. Milestones: The initial contract was awarded in December 1988. System requirement review was completed in February 1989.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Sys Design Review	89/06	N/A	
II	IOC, Increment 1	92/05	N/A	AISARC/MAISRC
III	Increment 2	93/10	94/05	AISARC/MAISRC
IV	Increment 3	94/10	95/05	AISARC
	Increment 4	95/10	96/05	AISARC

#### 6. Major Items of Interest:

a. Status: C2IPS successfully received an AISARC approval to proceed to MAISRC in July 1992. MAISRC principals have approved a Milestone III decision. System acquisition and installation of hardware, system software and Increment 1 application software is currently underway. Full operational capability covers a protracted period to accommodate Air Force and DOD fiscal priorities.

b. Contracts: Computer Sciences Corporation, Moorestown, NJ was awarded a competitive contract in Dec 88 to develop and deliver the systems. The contract is Fixed Price Incentive Firm (FPIF) for all development efforts and Firm Fixed Price (FFP) for all hardware and system software. Hardware and system software are commercially available today and will be acquired from the contract established indefinite delivery/indefinite quantity (ID/IQ) table. Application software will be developed in four increments. Each increment will add capability to the previous, but once delivered, an increment will be fully functional within its design capability. Recent budget reductions have not affected software development, but have caused hardware acquisition to extend beyond FY97.

#### c. Changes to Resources:

Funds support increased hardware acquisition and installations as well as services to provide inter-node communications.

#### d. Resources:

##### (1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 523.300 (in millions of dollars)  
Current estimate - \$ 523.300 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 342.200 (in millions of dollars)  
Current estimate - \$ 342.200 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 257.800 (in millions of dollars)  
Current estimate - \$ 257.800 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 188.600 (in millions of dollars)  
Current estimate - \$ 188.600 (in millions of dollars)

- (3) Sunk cost - \$ 123.300 (in millions of dollars)  
(4) Cost to complete - \$ 400.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force Command and Control System (AFC2S)  
020 COMMAND & CONTROL/COMMAND & CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Col Greenburg  
SSC/XOC  
201 E Moore Dr  
MAFB-Gunter Annex, AL 36114  
DSN 596-4363

3. Scope:

a. Mission Supported: Modernize, functionally integrate and implement an Air Force (AF) standard automated subsystem of the Worldwide Military Command and Control System (WWMCCS) to provide effective command and control (C2) planning of AF component conventional combat and support forces during peacetime, contingency situations, periods of national crisis, and major regional conflicts. Assist in modernization of HQ USAF and Command-unique C2 system.

b. Functions Performed: These systems provide C2 management information and decision support to the National Command Authority and AF component commanders for the deployment, redeployment, sustainment, and redeployment of U.S. military forces.

c. Current Resources Used: AFC2S software will be deployed at AF WWMCCS sites worldwide. Each site will have a host data base management environment (DBME), and remote sites will be supported utilizing the AF WWMCCS ADP Modernization (AFWAM) program wide-area and local area networks. End users will be supported with intelligent workstations.

NOTE: For Section V, Para C cost figures were extracted from the Quarterly Major Automated Information System Status (QMAIS) report for 1 Jan - 31 Mar 93. The program cost figures include prior year dollars and the approved funds to modernize standard systems. Dollars represent program acquisition costs only. Operating and support costs, military pay, and civilian pay are not included within these figures. A life cycle cost estimate is being prepared by SSC/RMFC and will cover FY93-04.

4. Benefits: The AFC2S program, provides timely and accurate C2 information to the National Command authorities, Joint Chiefs of Staff, and AF component commanders. AFC2S integrated select systems serving functional areas of logistics, personnel, manpower, operations, fuels, and supply. The AFC2S program will reduce life-cycle software maintenance costs by integrating stovepipe C2 systems, eliminating duplicate data bases and software modules, and migrating to an open systems standards with maximum use of commercial off-the-shelf products.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I		04/88		AISRC

Milestone II  
Milestone III Prod Decision

12/88  
10/93

AISRC  
AISRC

6. Major Items of Interest:

a. Status: AFC2S AISARC has approved revision of the Release-1 schedule to provide sufficient time for quality test and evaluation. Program is currently scheduled for IOC in FY93, with FOC in FY95.

b. Contracts: AFC2S contract was awarded to GTE Government Systems Division in Feb 89.

c. Changes to Resources: Capital Investment decreases between FY 93, FY 94, and FY 95 and changes in EEICS 568, 582, and 592 are due to restructuring of program as a result of a Sep 93 AFSARC. No current approved life cycle cost estimate (LCCE) program. Currently being restructured.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 146.900 (in millions of dollars)  
Current estimate - \$ 198.500 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 142.500 (in millions of dollars)  
Current estimate - \$ 167.900 (in millions of dollars)

(3) Sunk cost - \$ 62.400 (in millions of dollars)

(4) Cost to complete - \$ 137.400 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Global Transportation Network (GTN)  
022 COMMAND AND CONTROL, THEATER COMMAND AND CONTROL

2. Responsible Organization: US Transportation Command  
Scott AFB, IL 62225-7001  
Program Manager: Col Thomas P. Lutterbie, USAF  
USTRANSCOM/TCJ3(4-G)  
DSN 576-2866

3. Scope:

a. Mission Supported: GTN provides the automated command and control support necessary for USTRANSCOM to carry out its mission to provide global transportation management for the Department of Defense. GTN integrates supply, cargo, forces, passenger, and patient requirements and movements with airlift, air refueling, aeromedical and sealift schedules and movements. In addition to making this integrated data available to USTRANSCOM's customers, GTN will pass the information to the Joint Operation Planning and Execution System (JOPEX). GTN also implements the USTRANSCOM-chartered tasking to provide for deployment-related ADP systems integration and to provide centralized traffic management in peace and war. GTN is included in the Defense Business Operations Fund (DBOF), Transportation, and provides the intransit visibility (ITV) required in OSD's Total Asset Visibility (TAV) program. GTN will also provide USTRANSCOM's customers with the transportation information they need to manage their logistic situation.

b. Functions Performed: The key functions of GTN are: command and control of forces assigned to USTRANSCOM; in-transit visibility (ITV) for DOD; and integration of transportation-related C4S. GTN functionality includes integrated data management.

c. Current Resources Used: GTN hardware consists of one Solbourne series 5/601, four Sun 690s, one Sun 470, four Sun workstations, and networking equipment, including access to dial-up and MILNET. Major commercial off-the-shelf software includes: Sun OS 4.1.1 loaded on all Sun equipment, Solbourne OS 4.1A on the Solbourne, Sybase 4.9 loaded on the Sun equipment, Sybase 4.9 loaded on the Solbourne, Telesoft ADA Compiler version 1A, Vermont Views, and Rational. In addition to the above, one (1) Sun 470 and three (3) Sun workstations are located at Computer Sciences Corporation for testing. GTN personnel include 21 military and civilian staff and 9 1/2 Mitre Corporation technical staff. Electronic Systems Center (ESC) is providing acquisition management, technical, logistic, cost, legal, and contractual support. The acquisition authority is ESC Commander.

4. Benefits: GTN offers USTRANSCOM and DOD an excellent opportunity to improve transportation command and control, planning, operations, visibility and therefore reduce cost of providing transportation support. The most promising process improvements occur in the areas of command and control, reduced mission cost through integration of actual movement visibility data with the planning process and most cost effective use and management of transportation assets. A preliminary cost estimate is being conducted and the findings are due in March 1993. In December 1993, we anticipate receiving the preliminary benefit analysis.

5. Milestones:



DESCRIPTION	APPROVED SCHEDULE	CURRENT ESTIMATE	APPROVAL LEVEL
Contract Award to CSC	Mar 89	Mar 89	
System Design Review	Jun 91	Jun 91	
Preliminary Design Review	Jul 91	Jul 91	
Version 2.0 Delivery	Feb 92	May 92	
Request for Information	Nov 92	Nov 92	
Ver 2.1 Delivery	Feb 93	Feb 93	
Ver 2.2 Delivery	Mar 93	Oct 93	
MAISRC IPR	Apr 93	Apr 93	
Request for Proposal	Jul 93	Jul 93	
New Contract Award	Jan 94	Jan 94	

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
TBD		TBD		MAISRC

6. Major Items of Interest:

a. Status: An initial program review was conducted at the Air Staff in Dec 93. Delivery of Version 2.1 is expected on 24 Feb 93. Version 2.1 will prototype intransit visibility on air cargo and air passengers. Version 2.2 will expand 2.1 by providing sealift information. The PMO developed a training plan and established a user's review conference for Version 2.1. Initial OSD program review is tentatively scheduled for Apr 93.

b. Contracts:

Contractor Name: Computer Sciences Corporation (CSC), Systems Engineering Division - Versions 2

Cost plus award fee. Duration of five years (base year plus four option years). Maximum value of \$25 million (governed by a maximum of 2394 technical staff months). The current GTN contract is a systems engineering and technical assistance contract for all development efforts and hardware acquisition. The GTN contract is currently in the third option year of a five year contract (base year plus four option years). USTRANSCOM is developing a Request for Proposal (RFP) for GTN future development work in FY 94 and beyond.

c. Changes to Resources: None.

Life-Cycle Cost.

Approved Estimate - None.

Current Estimate - \$90.108 million (approx. \$4.7 million per annum post FY97). Communications costs were not reflected in last year's submission and must be added. Last year the GTN program included the LAN, but the LAN has since been removed from the GTN program. O&M funds were transferred to OSD and are now under appropriation 4930.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 88.372 (in millions of dollars)  
Current estimate - \$ 90.108 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ 15.171 (in millions of dollars)

(4) Cost to complete - \$ 74.937 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Extendible Integrated Support Environment (EISE)/PACER FRONTIER  
FAM MATERIEL RESOURCES/MATERIEL MANAGEMENT

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Gail M. Steele  
Det 25/LXE SM-ALC  
DSN 692-1804

3. Scope:

a. Mission Supported: The PACER FRONTIER initiative, agreed to in a Memorandum of Agreement between Air Force Materiel Command (AFMC) and Air Force Space Command (AFSPACECOM) directs the normalization of logistics support for space and warning systems in Colorado Springs, CO. The networks supported are Integrated Tactical Warning/Attack Assessment (ITW/AA) and Air Force Satellite Control Network (AFSCN). To accomplish this, the EISE strategy was chosen to provide a consolidated, centralized support environment for sharing resources and standardizing processes for hardware and software engineering, test and configuration management. This integrated management alternative will enable the DoD to sustain a superior level of weapon system readiness and continually enhance our way of doing business, in addition to maintaining technological excellence. EISE will reduce the proliferation of single-use, multiple-vendor hardware and software, reduce the sole source environment and contractor dependency, and increase supportability, thereby minimizing life cycle costs. EISE is included in the materiel management DBOF category.

b. Functions Performed: EISE will allow support to be provided without impact to operational weapon systems. Types of functions include: Hardware Engineering, Software Maintenance, Configuration Management, Logistics Support, and Test. This will be the first network of its kind which will provide these capabilities so that modifications, enhancements, or upgrades may be tested thoroughly on non-operational components prior to introducing them in actual mission scenarios. In keeping with the "cradle-to-grave" tenet, Configuration Management functions will be automated and maintained for all acquiring, supporting, and using personnel, so we are all working to the same baselines. EISE is included in the CIM material management functional activity for the automated tools for database management and logistics functions (technical orders, drawings, etc.).

c. Current Resources Used:

DEC Mainframe (9000)  
Minicomputers (two 6540s, one IBM 6000)  
Workstations (sixteen 3540s, Mac's, HP, Sun)  
Management, Database, Simulation Applications Software Packages  
(networks manager, oracle, passport, interleaf, autocad)  
Wide Area Network/Local Area Network connectivity

4. Benefits: There are approximately 35 remote sites that each have their own peculiar support activity, each with their own facilities, contractors, and suites of support equipment. When feasible, these support activities will be integrated into the EISE environment. Cost avoidances can be directly correlated to the implementation of EISE, associated with the reduction in

facilities, equipment, personnel, and operations, maintenance, and support costs. After integration, systems lose their single identity through the prudent consolidation and sharing of resources. EISE will allow the creation of DoD standards (Computer-aided Acquisition and Logistics Support (CALS), OSI protocols) for hardware, software, and processes in providing support for weapon systems under AFMC purview. EISE will allow us escape from vendor dependency and sole source environments.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Concept/Developmnt	92/04		
II	Define/Design	93/10		
III	Systems Developmnt		95/01	
IV	Systems Deployment		96/12	

6. Major Items of Interest:

a. Status: EISE will be housed in the MILCON project for the Centralized Integration Support Facility (CISF), currently being built on Peterson AFB CO. Beneficial Occupancy Date is August 1993.

Contracts: EISE is being developed in two major phases. Phase I was awarded in April 1992, to a Small Business set-aside. This contractor is assisting us in developing the technical documentation necessary to select a design, build, and integration contractor to implement the EISE strategy. Phase II will be contracted for through full and open competition procedures.

c. Changes to Resources: None.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 61.300 (in millions of dollars)  
Current estimate - \$ 60.900 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 50.700 (in millions of dollars)  
Current estimate - \$ 49.400 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)

Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ 22.900 (in millions of dollars)

(4) Cost to complete - \$ 38.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Follow-On Training  
NAA COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Weather Service  
Scott AFB, IL 62225  
Program Manager: Maj Jill Schmidt  
HQ AWS/SCA  
DSN 576-4741

3. Scope:

a. Mission Supported:

The Follow-on-Training (FOT) provides technology transition and training support to Air Force weather units worldwide across all major commands, including those units supporting the US Army, and to other units supporting other government agencies which require operational support. The program will provide the units with enhanced capabilities to exploit the meteorological sensors such as the WSR-88D, Weather Surveillance Radar Doppler, and that being made available from satellite sensors such as the Defense Meteorological Satellite Program (DMSP). This program will support the entire weapons systems inventory of the Air Force and Army by providing enhanced capabilities to weather forecasters to analyze and forecast in order to better assist commanders with operational decisions.

b. Functions Performed:

The FOT will take research and development advances being made by the DOD and civilian agencies, and translate them into operational programs and methods for use by Air Force weather forecasters. The program will provide field units with improved training systems to keep the weather personnel current in the new techniques being developed, and training on how to better exploit the meteorological data being made available from ground- and space-based sensors. It will also provide forecasters techniques for worldwide environmental phenomena which impact the use of electro-optical systems. This system will provide field commanders with command and control information they need to plan and execute tactical operations, exercises, or contingencies.

c. Current Resources Used:

The FOT training systems will use multimedia-integrated Desktop III personal computers to support an interactive video display system. The software being fielded will run on IBM-compatible, small computers in weather units and on customer command and control systems such as the Contingency Tactical Air Control System Automated Planning System.

4. Benefits:

The FOT will provide environmental information to Air Force and Army commanders so they may consider weather-related factors when evaluating force allocation, air tasking order generation, and mission planning. The software models will be run at theater and tactical forecast units, at the lowest possible echelons of command, in order to enhance responsiveness, timeliness, and survivability. The interactive video systems will replace the sound-on-slide caramate systems which presently are the primary tool. This

will enable the units to improve their training programs to better meet local operational mission and environmental conditions.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I	Concept Develop	89/06	89/06	HQ MAC/SCP
Milestone II	Definition/Design	90/06	90/06	HQ MAC/SCP
Milestone III	Systems Develop	91/06	91/06	HQ MAC/SCP
Milestone IV	System Deploy	91/09	91/09	HQ AWS/SC

6. Major Items of Interest:

a. Status:

This is a phased approach program. The interactive video display system are presently being fielded. The forecaster techniques and software packages are all in various stages of production.

b. Contracts:

The integration effort is a small business 8A set aside contract. The small business 8A also purchases the personal computers used to develop the interactive video display training systems.

c. Changes to Resources:

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 28.800 (in millions of dollars)  
Current estimate - \$ 28.800 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 23.500 (in millions of dollars)  
Current estimate - \$ 23.500 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 16.300 (in millions of dollars)  
Current estimate - \$ 16.300 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 14.300 (in millions of dollars)  
Current estimate - \$ 14.300 (in millions of dollars)

(3) Sunk cost - \$ 2.700 (in millions of dollars)

(4) Cost to complete - \$ 9.700 (in millions of dollars)



DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:

OL-A, USAFETAC

NEA COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Weather Service

Scott AFB, IL

Program Manager: Capt David Musick

HQ AWS/SCA

DSN 576-4741

3. Scope:

a. Mission Supported:

Operating Location A, USAF Environmental Technical Applications Center (OL-A, USAFETAC), Asheville, North Carolina provides environmental planning information required by Air Force, US Army, and other national agencies. OL-A USAFETAC serves as the technical interface for the Air Force global climatological database with the collocated National Climatic Data Center. The customers supported by OL-A include Unified Commands, Air Force and Army Major Commands, Theater Commanders, and top-priority national programs.

b. Functions Performed:

OL-A USAFETAC processes, maintains, and applies historic astro-geophysical data of global scope to provide the basis for creating environmental planning information used by the Air Force, US Army and other defense, security, and intelligence agencies. As new meteorological data sources are being made available, OL-A's requirements for archiving these data are increasing. Also, the demand to retrieve the new and old data from the databases is expected to rise as USAFETAC at Scott AFB, IL frequently accesses and analyzes these data to enhance support to flight safety operations, resource protection, and many other requirements.

c. Current Resources Used:

OL-A presently has one UNISYS 2200/611 and peripherals. The system was installed in 1989. The installation of a central database system is programmed to start FY96. The lifecycle replacement program for the OL-A computer will start FY98.

4. Benefits:

The installation of the central database system (CDBS) will greatly improve the quality control process on the global climatological database. The CDBS will significantly reduce quality control (QC) errors prevalent in manual intervention of the QC process, thus providing a more accurate and timely database. A result will be higher quality global environmental products critical to the warfighter. The lifecycle program will replace parts of the system which will be approaching the end of their useful life and provide as an added benefit improved processing capacity to meet stated customer requirements.

5. Milestones:

Approved Current

Milestone	Description	Schedule	Estimate	Approval Level
Milestone I	Concept Develop	93/08	93/08	HQ AWS/SC
Milestone II	Definition/Design	94/08	94/08	HQ AWS/SC
Milestone III	Systems Develop	95/08	95/08	HQ AWS/SC
Milestone IV	System Deployment	98/08	98/08	HQ AWS/SC

6. Major Items of Interest:

a. Status:

The exhibit above shows the OL-A portion of an overall program to replace the aging systems at USAFETAC. The program has had to be restructured due to funding slips.

b. Contracts:

The current contract was awarded to UNISYS Corporation by Air Force Computer Acquisition Center in 1990.

c. Changes to Resources:

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 13.100 (in millions of dollars)  
Current estimate - \$ 13.100 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 9.400 (in millions of dollars)  
Current estimate - \$ 9.400 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
USAFETAC  
NET COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Weather Service  
Scott AFB, IL 62225  
Program Manager: Capt David Musick  
HQ AWS/SCA  
DSN 576-4741

3. Scope:

a. Mission Supported:

The United States Air Force Environmental Technical Applications Center (USAFETAC) at Scott AFB IL provides archived high-quality, worldwide, environmental data received through the Air Force Global Weather Central, the Air Force Space Forecast Center, OL-A USAFETAC, and other sources. USAFETAC provides environmental studies, analyses, and a wide range of graphical climatological forecast products to the Air Force, US Army, and other DOD and governmental agencies. The environmental planning information USAFETAC prepares is used by Air Force and US Army major commands, unified commands, and top-priority national programs customers.

b. Functions Performed:

USAFETAC archives atmospheric and space environmental data and applies it to aid in the design and employment of combat weapon systems of the US Air Force, to worldwide military plans and operations of the US Air Force and Army and other federal agencies.

c. Current Resources Used:

The USAFETAC Complex automated information system (AIS) is comprised of an IBM 3090-200E mainframe computer, 225 Gigabytes of on-line mass storage, and associated peripherals.

4. Benefits:

The programmed lifecycle replacement in FY96 will replace the aging system that was initially installed in 1989. In conjunction with the lifecycle replacement, USAFETAC will be able to exploit the new emerging technologies which will allow them to better perform their mission and meet stated customer requirements.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I	Concept Develop	95/02	95/02	HQ USAF/XOW
Milestone II	Definition/Design	95/08	95/08	MDA
Milestone III	System Develop	96/08	96/08	MDA
Milestone IV	System Deployment	97/08	97/08	MDA

6. Major Items of Interest:

a. Status:

The milestones reflect the present schedule for the lifecycle replacement to the USAFETAC mainframe.

b. Contracts:

The contract for the IBM 3090 support and services was awarded to Federal Data Corporation in 1989 by the Air Force Computer Acquisition Center. VION Corporation received the contract for the direct access storage devices. The communications link between the Air Force Global Central at Offutt AFB NE, USAFETAC, and OL-A USAFETAC at Asheville, NC was awarded in 1987 to Network Systems Corporation; a recompetition of this contract is scheduled for FY93/94.

c. Changes to Resources:

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 12.300 (in millions of dollars)  
Current estimate - \$ 12.300 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 8.800 (in millions of dollars)  
Current estimate - \$ 8.800 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Computer Flight Plans  
NGC COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Weather Service  
Scott AFB, IL 62225  
Program Manager: Capt Dan Purdy  
HQ AWS/SCA  
DSN 576-4741

3. Scope:

a. Mission Supported:

AMC, ACC, and AETC require computer flight plans (CFP) to permit flight planners to select optimum flight profiles and routes for many different aircraft and weapon configurations. In peacetime, CFPs must meet requirements for automating aircrew flight plan tasks as well as conserving fuel. During wartime, CFPs must provide flight planners the flexibility to select options which, for example, minimize the fuel taken out of theater, maximize cargo loads, minimize/avoid threat areas, and ensure accurate time at destination. The mission requirements include optimum track and profile selection for many more aircraft than supported by the current systems, enhanced air refueling CFPs, automatic appending of terminal and enroute weather and aviation/airfield information, and other MAJCOM-unique requirements. The ACFP must process 125 CFPs within 1 hour of their request, regardless of security classification.

b. Functions Performed:

The Advanced Computer Flight Plan (ACFP) replaces two operational computer flight plan systems currently running on the computer systems at the Air Force Global Weather Central (AFGWC) at Offutt AFB, NE--the Flight Simulation Model (FSM) and the Optimized MAC Computer Flight Plan (OMCFP) with a single Air Force-owned ACFP applications software system resident on dedicated computers at AFGWC. The FSM system does not optimize for fuel consumption and does not meet ACFP requirements. The OMCFP is a sole-source leased system which Air Staff has directed to be replaced by an Air Force-owned CFP system. It also does not meet the stated ACFP requirements the MAJCOMs specified in a 1984 report. Also, ACFP will provide optimum track and profile selection for more aircraft than provided in the current system and with a variety of weapon configurations. There will be TOP SECRET STU-III access to the system. ACFP hardware will be distributed to flight planning facilities. Finally, ACFP will interface with user command and control systems for uplink to aircraft and airborne updating.

c. Current Resources Used:

The ACFP system consists of two VAX 8350 computer systems at AFGWC. Each system has three processors and mass storage clustered together. One cluster is designated for unclassified processing, and one for classified processing. The equipment has been operationally supporting computer flight planning since May 90 using the leased OMCFP software. A contract was signed on 31 Dec 90 to Harris Corporation for the purchase, porting, and upgrade of an operational, commercial, optimized computer flight planning system. The system uses the VAX VMS operating system and a relational database management system. The

ACFP hardware will have direct physical communications connections to the Packet Switched Data Network, Defense Data Network, AUTODIN via other systems at AFGWC, and direct circuits to desktop terminals at the Tanker Airlift Control Center (TACC) at HQ AMC, Scott AFB, IL.

#### 4. Benefits:

ACFP provides for both fuel and manpower savings. If optimized computer flight plans are used, a 1984 study published by the Airlift Center at Pope AFB NC estimated that airlift aircrews could save over \$10M in fuel costs annually. Additionally, through the use of CFPs numerous navigator positions have been eliminated while total flight planning capabilities for AMC and ACC have increased. ACFP will dramatically increase the capability to support both day-to-day and contingency operations. There will be a four fold increase in the CFPs that can be supported on the dedicated hardware. Flight planners will have direct real-time access to the system for centrally managing CFP production. Air crews and flight planners will have access to ACFP through dedicated dial-up communications, unclassified Defense Data Network, and AUTODIN. Some aircraft, such as the C-17, will receive flight plans in a digital format for direct uplink to onboard mission computers.

#### 5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Concept Develop	84/01	84/01	HQ MAC/SCP
II	Definition/Design	88/04	88/04	HQ MAC/SCP
III	System Development	90/11	90/11	HQ MAC/SC
IV	System Deployment	93/06	93/09	HQ AWS/SC

#### 6. Major Items of Interest:

##### a. Status:

Current program is progressing. Lifecycle replacement for the computer flight plan system is programmed for FY97 but may slip until FY99.

##### b. Contracts:

Current contract is with Harris Corporation, firm fixed price until 4FY93 and then cost plus award fee for option years FY94 to FY97. Lifecycle replacement for FY97 will be full and open competition.

##### c. Changes to Resources:

##### d. Resources:

##### (1) Life-cycle cost.

##### Then year (Inflated) dollars

Approved estimate - \$ 31.300 (in millions of dollars)  
Current estimate - \$ 31.300 (in millions of dollars)

##### Constant base year dollars

Approved estimate - \$ 29.200 (in millions of dollars)

Current estimate - \$ 29.200 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)

Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)

Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ 15.600 (in millions of dollars)

(4) Cost to complete - \$ (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Satellite Data Handling System  
NGD COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Weather Service  
Scott AFB, IL 62225  
Program Manager: Capt Robert Tippet  
HQ AWS/SCA  
DSN 576-4741

3. Scope:

a. Mission Supported:

The Satellite Data Handling System (SDHS) is an interactive weather graphics and imagery system designed for the centralized production of weather graphics for over 200 US Air Force and US Army customers. The meteorological data and customized computer products developed using the SDHS are part of the environmental support provided for a spectrum of military operations, from command post exercises, to contingencies and actual combat operations worldwide. Customers supported include Air Force and Army major commands, unified and joint commands, along with top-priority national programs, and other DOD and governmental agencies.

b. Functions Performed:

The SDHS is an interactive weather graphics and imagery system at AFGWC. SDHS consists of over 70 computers providing automated product generation and real-time support to 35 forecaster consoles for centralized production. SDHS is used to disseminate products to over 200 customers worldwide, including National Program customers. The SDHS handles products from the National Weather Service Automated Forecasting and Observing System, and Communications Interface and Data Exchange (CIDE) products provided to and received from the US Navy and National Weather Service. Also, SDHS automates product scheduling and generation of graphics and will display Weather Surveillance Radar 88 Doppler and GOES-NEXT data. The SDHS system provides both unclassified and classified weather support to customers.

c. Current Resources Used:

SDHS is an interactive weather graphics and imagery system consisting over 70 computer and 35 Digital Equipment Corporation-based forecaster consoles. These consoles have automated a huge, manpower intensive effort to produce weather forecasts by time consuming manual means. The current system automated the manual effort. SDHS includes a database subsystem, ingest subsystem, and the Defense Meteorological Satellite Program (DMSP) Data Reconstruction Site (Site III) which receives, ingests, and archives meteorological satellite data.

4. Benefits:

The lifecycle replacement program, besides replacing components which have become logistically unsupportable having reached the end of their useful life, will allow the ingest of recently developed and soon to be available meteorological imagery products into the AFGWC database. It will ensure that sufficient consoles are available to produce needed forecast products and to



perform training on the new data. It will also ensure that sufficient maintenance spares are available to avoid prolonged downtime during scheduled and unscheduled outages.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I	Concept Develop	91/02	91/02	HQ MAC/SCP
Milestone II	Definition/Design	92/04	92/04	HQ AWS/SC
Milestone III	System Development	94/02	94/02	HQ AWS/SC
Milestone IV	System Deployment	94/11	94/11	HQ AWS/SC

6. Major Items of Interest:

a. Status:

The SDHS has been operating since 1986 and is now undergoing its first lifecycle replacement to support the aging and logistically unsupportable components.

b. Contracts:

The SDHS Support and Services contract was recompeted and awarded to Sterling Software Inc. in January 1992 as a cost plus award fee contract with four option years. The lifecycle replacement contracts will be done as a task order to the AFC2S contract with contract award scheduled for 4FY93.

c. Changes to Resources:

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 43.700 (in millions of dollars)  
Current estimate - \$ 43.700 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 38.100 (in millions of dollars)  
Current estimate - \$ 38.100 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

- (3) Sunk cost - \$ 2.100 (in millions of dollars)
- (4) Cost to complete - \$ (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Satellite Data Handling System II  
NGH COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT

2. Responsible Organization: Air Weather Service  
Scott AFB, IL 62225  
Program Manager: Capt Tim Hutchison  
AWS/XTR  
DSN 576-5731

3. Scope:

a. Mission Supported:

The SDHS is Air Force Global Weather Central's sole computer-assisted man-machine interactive weather graphics and weather satellite imagery system that generates weather products using both automated and interactive graphic techniques. For example, SDHS is used to build and disseminate weather products, such as hemispheric wind and temperature forecast charts, to over 200 operational users worldwide. These products support routine daily operations of the Air Force and Army, and provide a combat forecast support capability for contingency operations worldwide. Army and Air Force combat forces require accurate, high resolution global and theater weather forecasts for effective planning, deployment, employment, and redeployment in response to worldwide crises. The effective integration of meteorological information into the combat force employment process can significantly impact decisions regarding weapons selection, targeting options, and supporting base capabilities.

b. Functions Performed:

The SDHS II will be an interactive weather graphics and imagery systems at AFGWC. The SDHS II will be used to manually and automatically create mission-tailored weather information to over 200 DOD customers worldwide, including national programs. It is expected that it will be an open architecture design with high performance computer workstations networked together accessing a common centralized data base. These workstations will be used to display, overlay, and manipulate weather information including meteorological satellite, weather radar, surface and upper air temperature and winds, to develop weather information for customer use.

c. Current Resources Used: TBD.

4. Benefits:

The lifecycle replacement program, besides replacing a system which has become logistically unsupportable having reached the end of their useful life, will allow the ingest, display, and integration of current and new data sources which are not currently available on SDHS, such as upper air data from Automated Observing Systems, weather radar data from the Weather Surveillance Radar, 1988 Doppler (WSR-88D), and new sensor data available from the Defense Meteorological Satellite Program (DMSP).

5. Milestones:

Approved Current

Milestone	Description	Schedule	Estimate	Approval Level
Milestone I	Concept Development	95/03	95/03	TBD
Milestone II	Definition/Design	N/A	N/A	N/A
Milestone III	System Development	98/09	98/09	TBD
Milestone IV	System Development	TBD	TBD	TBD

6. Major Items of Interest:

a. Status:

The SDHS II Mission Need Statement (MNS) has been approved by the Vice Chief of Staff of the Air Force. Awaiting Milestone 0 Decision and Program Management Directive.

b. Contracts:

The SDHS II contract will be full and open competition.

c. Changes to Resources:

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 56.000 (in millions of dollars)  
Current estimate - \$ 56.000 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 45.900 (in millions of dollars)  
Current estimate - \$ 45.900 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ 35.500 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force Global Weather Cloud Depiction and Forecasting System II (System 3/5/6)  
NGS    COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Weather Service  
Scott AFB, IL 62225  
Program Manager: Mr Glenn Shelley  
HQ AWS/SCA  
DSN 576-4741

3. Scope:

- a. Mission Supported:

The Air Force Global Weather Central (AFGWC), Offutt AFB, NE is tasked to provide computer-based environmental support to all phases of USAF and Army operations. This includes weather support to contingencies, actual combat operations, and high priority national programs. Responsive and accurate weather support to these missions depends on reliable and technologically adequate systems. This program requires that the computer processing capacity of three UNISYS 1100/90-series computers (satellite data processing, special compartmented information), and backup systems currently known as System 3, 5, and 6 at AFGWC be replaced and upgraded, plus provide the services necessary to maintain and operate the system following installation. Additionally, it requests integration support for cloud analyses software enhancements to exploit additional multiple data types, and sources programmed to be available in the mid- and late-1990's, as well as software support to maintain and enhance or add as necessary data interfaces with the remainder of the AFGWC computer complex.

- b. Functions Performed:

The new system must replace old equipment which has reached the end of its useful life. The initial system capacity must be sufficient to accommodate expanding mission support requirements over the life time of the system. Moreover, the new system must be highly reliable and provide sufficient capacity to execute parallel operational tests and evaluations throughout its lifecycle. The contractor will be required to transition significant amounts of software in order to interface and communicate with the existing AFGWC systems. This will require at least one year of parallel operation and will require a new computer facility in which to conduct these operations. In addition, the system will provide sufficient capability to support routine parallel operational tests and evaluation of new data sources and techniques. Finally, it must be extremely reliable since weather support must be provided continuously 24 hours-a-day, 365 days-a-year.

- c. Current Resources Used:

A CDFS II architecture study using customer funded contractor support is nearing completion. The study will provide CDFS II system sizing estimates and propose at least two architectures. The systems hardware, software (some software will be GFE), and supporting services will be acquired as an integrated contract through competitive procurement. The Defense Meteorological Satellite Program System Program Office (DMSP SPO) is taking the lead in the acquisition process. The Statement of Work for the program is

under development and will focus on AFGWC's functional processing and software engineering requirements for CDFS II. Also, a precise hardware architecture or configuration is not being defined by the Government. This will force vendors to submit true technical proposals to satisfy the Government's functional requirements. This will also allow the Government to take advantage of technology available at the time of procurement and enhance the probability of a positive price to computing performance ratio.

#### 4. Benefits:

Through the acquisition of a replacement for the existing Cloud Depiction and Forecast System computers, AFGWC will be able to use new meteorological satellite sources and sensors to improve the resolution and accuracy of cloud and upper air analyses. These new data will enhance AFGWC's ability to support worldwide tactical and strategic contingencies and meet new requirements for more accurate cloud forecast products. This new system will enhance the capability for AFGWC to provide future forecast products needed for precision guided munition support and for high priority national programs requirements.

#### 5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I	Concept Develop	93/03	93/03	HQ USAF
Milestone II	Definition/Design	93/06	93/06	HQ AWS/SC
Milestone III	System Development	94/03	94/03	MDA
Milestone IV	System Deployment	97/12	97/12	HQ AWS/SC

#### 6. Major Items of Interest:

##### a. Status:

The lifecycle replacement program will begin in FY94 with the start of the site preparation. The Mission Needs Statement was approved by the HQ USAF Vice CSAF in March 1993.

##### b. Contracts:

The support and services contract was awarded to UNISYS Corporation, and is in its last option year. A solicitation for the new support and services contract will begin Mar 93. The contract effort for the replacement program will begin mid-1993.

##### c. Changes to Resources:

##### d. Resources:

##### (1) Life-cycle cost.

##### Then year (Inflated) dollars

Approved estimate - \$ 65.600 (in millions of dollars)  
Current estimate - \$ 65.600 (in millions of dollars)

##### Constant base year dollars

Approved estimate - \$ 58.300 (in millions of dollars)  
Current estimate - \$ 58.300 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 61.200 (in millions of dollars)  
Current estimate - \$ 61.200 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 56.300 (in millions of dollars)  
Current estimate - \$ 56.300 (in millions of dollars)

(3) Sunk cost - \$ 0.000 (in millions of dollars)

(4) Cost to complete - \$ 0.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Weather Information Processing System/Advanced Weather Analysis and Prediction System (WIPS/AWAPS)  
NGW    COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS
2. Responsible Organization:    Air Weather Service  
                                     Scott AFB, IL 62225  
     Program Manager:    Mr Glenn Shelley  
                                     HQ AWS/SCA  
                                     DSN   576-4741

3. Scope:

a. Mission Supported:

The Weather Information Processing System/Advanced Weather Analysis and Prediction System (WIPS/AWAPS) at the Air Force Global Weather Central (AFGWC), Offutt AFB, NE provides computer-based environmental support to all phases of USAF, US Army, and DOD worldwide operations requiring meteorological products. This includes support to contingency planning exercises, actual combat operations, and support to top-priority national programs. The WIPS/AWAPS directly provide weather products to the Worldwide Military Command and Control System (WWMCCS), the Joint Interoperability of Tactical Command and Control System (JINTACCS), the Air Force Technical Applications Center (AFTAC), and other similar developing DOD tactical programs. Additional customer support requirements include transmission of satellite global database products on the Defense Data Network, ingest of data from 167 Weather Surveillance-88 Doppler Radar sites worldwide, and shipment of global meteorological databases to decentralized USAF locations for processing computer flight plans.

b. Functions Performed:

The WIPS/AWAPS computer systems acquire and apply all the available meteorological data in the preparation of customer support products. A Teradata DBC/1012 computer system was competitively purchased to allow the multitude of meteorological files to be centrally stored in one location and managed by a single Data Base Management System instead of separately on each AFGWC computer mainframe. The WIPS/AWAPS produce global, regional, and small-scale analyses and forecasts using a government-provided, state-of-the-art suite of numerical analysis and forecast models. The meteorological data and computer products made available by these systems are then used internally by the Satellite Data Handling System or shipped to a variety of DOD and other government customers as requirements dictate.

c. Current Resources Used:

The WIPS/AWAPS present configuration consists of one UNISYS 2200/633 mainframe, one Teradata DBC/1012 database machine, one CRAY XMP supercomputer with two UNISYS 1100/71 front-end processors, and a HYPERchannel communication link. The high speed communication link sends and receives data externally through the AFC4A-owned communications front-end processor.

4. Benefits:

The AFGWC automated processing systems are approaching maximum processing



capacity jeopardizing AFGWC's ability to meet customer stated requirements for accuracy, timeliness, and quantity of meteorological support. The upgrades projected over the FYDP will provide a phased-approach to ensure AFGWC can continue to meet its stated customer requirements.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I	Concept Develop	88/09	88/09	TBD
Milestone II	Definition/Design	90/07	90/07	TBD
Milestone III	System Development	94/03	94/03	TBD
Milestone IV	System Deployment	97/12	97/12	TBD

6. Major Items of Interest:

a. Status:

The acquisition of the CRAY XMP replacement is undergoing a restructure due to slip in funding from FY95 to FY98.

b. Contracts:

WIPS/AWAPS support is provided by two contracts with UNISYS Corporation to provide hardware and software maintenance, software licenses, and systems analyst support for operations. The support and services contract for the CRAY XMP is presently being recompeted with a projected contract award in August 1993. The next phase of ASIP (5.2) is currently being completed with contract award estimated in 2FY94.

c. Changes to Resources:

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 75.500 (in millions of dollars)  
Current estimate - \$ 75.500 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 66.100 (in millions of dollars)  
Current estimate - \$ 66.100 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 58.500 (in millions of dollars)  
Current estimate - \$ 58.500 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 51.900 (in millions of dollars)  
Current estimate - \$ 51.900 (in millions of dollars)  
(3) Sunk cost - \$ 9.100 (in millions of dollars)  
(4) Cost to complete - \$ 1.300 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force Space Forecast Center (AFSFC)  
NSC COMMAND AND CONTROL, COMMAND AND CONTROL SUPPORT SYSTEMS

2. Responsible Organization: Air Weather Service  
Scott AFB, IL 62225  
Program Manager: Capt Philip Nostrand  
HQ AWS/SCA  
DSN 576-4741

3. Scope:

a. Mission Supported:

Air Force major commands (i.e., AMC, ACC), USSPACECOM, and other DOD agencies require tailored space environmental observing and forecasting services to meet unique military requirements in support of programs dealing with national security. The Air Force Space Forecast Center (AFSFC) will reach full operational capability in October 1992 and will be the primary support facility for providing space environmental information. The AFSFC provides real-time warning notification of solar and geomagnetic events which impact high-priority command and control systems, including communications, spacecraft systems, radar, and other ground-based surveillance and detection systems. The USAF requires timely warning of high-energy protons (which degrade high latitude communications) to retain positive control of in-flight aircraft. C2 agencies require rapid notification of high-energy protons to expedite the rerouting of disturbed high-frequency radio traffic between numerous points on the globe. Energetic protons are a health hazard to astronauts and cause computer malfunctions, sensor contamination, and false images on star sensors used for attitude control on satellites. Radar surveillance and tracking systems (i.e. Cobra Dane, Pave Paws) require ionospheric analyses and forecasts in order to achieve maximum range and accuracy.

b. Functions Performed:

The AFSFC receives space environmental data from satellite and ground-based sensors, processes this data using the environmental analysis software, and transmits warnings, atmospheric specifications, and atmospheric forecasts to DOD customers. THE AFSFC provides support at the UNCLASSIFIED, COLLATERAL SECRET, and TOP SECRET (SCI) clearance levels. Five three-person teams will provide 24 hours per day space environmental support.

c. Current Resources Used:

The AFSFC system consists of four VAX cluster systems: Software Development Cluster (SDC), Unclassified Operations Cluster (UOC), Collateral Classified Cluster (CCC) and SCI Classified Cluster (SCC). The hardware supporting the four clusters is comprised of: 2 VAX 8820 Super Minicomputers, 7 VAX 6420 Super Minicomputers, 16 VAXstation 3100/2000, 6 forecaster workstations (with 4 VAXstation 3100s), 41.5 Gigabytes of mass storage, 6 communications processors, Ethernet LAN, 6 One-Way LAN (from lower to higher classification systems), and 12 communication circuits. All four systems have VMS operating system, VAX RDB relational database management system, and 31 unclassified subsystem applications.

#### 4. Benefits:

The AFSFC provides both modernization and increased capability. With the incorporation of newly developed ionospheric, neutral atmospheric, and magnetospheric models the AFSFC will greatly increase our capability to specify and forecast the atmosphere and its affects on spaceborne and ground-based systems. Improved high-energy particle warnings will insure satellite command and control organizations initiate protective measures for sensitive on-board sensors. Improved ionospheric forecasts and specifications will decrease positioning errors by radars. Warning and detection radar operators will be provided notification of a high potential for spurious, solar-induced radar images. Improved atmospheric density specifications will insure accurate satellite drag calculations which are used to locate low-orbiting satellites. The software is modernized to be transportable and to use a relational database management system. The processing capability is increased by tenfold allowing the incorporation of a relational database management system and new atmospheric models.

#### 5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I	Concept Develop	86/06	86/06	HQ MAC/SCP
Milestone II	Definition/Design	88/05	88/05	HQ MAC/SCP
Milestone III	System Development	90/01	90/01	HQ MAC/SCP
Milestone IV	System Deployment	91/03	91/03	HQ MAC/SCP

#### 6. Major Items of Interest:

##### a. Status:

The AFSFC reached FOC in Oct 92. The lifecycle replacement for the AFSFC hardware is programmed to start in FY99.

##### b. Contracts:

The Air Force Computer Acquisition Center awarded the AFSFC contract to Digital Equipment Corporation in May 88. The Space Environmental Technology Transition contract was awarded in Sep 92.

##### c. Changes to Resources:

##### d. Resources:

##### (1) Life-cycle cost.

##### Then year (Inflated) dollars

Approved estimate - \$ 10.400 (in millions of dollars)  
Current estimate - \$ 10.400 (in millions of dollars)

##### Constant base year dollars

Approved estimate - \$ 9.400 (in millions of dollars)  
Current estimate - \$ 9.400 (in millions of dollars)

##### (2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 9.200 (in millions of dollars)  
Current estimate - \$ 9.200 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 8.400 (in millions of dollars)  
Current estimate - \$ 8.400 (in millions of dollars)  
(3) Sunk cost - \$ 0.900 (in millions of dollars)  
(4) Cost to complete - \$ 0.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Mobile Command and Control System  
PBC COMMAND AND CONTROL, THEATER COMMAND AND CONTROL

2. Responsible Organization: Air Force Space Command  
Peterson AFB, CO 80914  
Program Manager: Capt Thomas B. Young  
AFSPACECOM/SCXBR  
DSN 692-2522

3. Scope:

a. Mission Supported: The MCCA program is acquiring and integrating automated command, control and communication systems to be incorporated into the NORAD/USSPACECOM Mobile Consolidated Command Center (MCCC) to support reconstitution and command and control in the trans-attack and post-attack time frames. MCCA will consist of communications, ADP, and support subsystems integrated as a deployable, automated C2 system. Processes, correlates, displays and distributes Integrated Tactical Warning and Attack Assessment (ITW&AA) information to USCINCSpace, CINCNORAD, various U&S CINCs, and the NCA. Provides data critical for CINC assessment of space, ballistic missile, or air breathing attack on CONUS and allied nations.

b. Functions Performed: Maintain operational readiness of equipment and Battlestaff personnel. Support exercises and deployments.

c. Current Resources Used:

Hardware - Defense Satellite Communications System (DSCS) Jam Resistant Secure Communications (JRSC) suites (2), MILSTAR Mobile Constellation Control Station with MILSTAR terminal, Data General MV30000, DEC VAX PDP 11/84 (2), DEC VAX 8350 (2), DEC VAX 6410, DEC VAX 3100, (10), TRW Spooler (2), IBM MIL 370, Sun 3E (2), Zenith Inteq Tempest PC (13), Grid Laptop Tempest PC (5), Recortec Tempest rack mount PC (5).

Software - DEC VMS, DEC Phigs, DEC VAX Ada, UNIX, SUN OS, CADRE Teamwork, SYBASE SQL, IBM OS.

4. Benefits: Provides a survivable, reconstitution command, control and communications element for CINCNORAD/USCINCSpace to provide attack information to the other surviving CINCs and the NCA.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
0 to III	IOC	93/10		SECAF
IV	FOC	96/10		SECAF

6. Major Items of Interest:

a. Status: Program is fully funded. Being executed within budget. Program is a non-developmental integration program.

b. Contracts:

DSCS: Classified

MILSTAR: Lockheed, Austin TX

MCCS Integration: Sandia National Labs, Albuquerque NM

c. Changes to Resources: N/A.

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
CINCSTRAT Mobile Alternate Headquarters (CMAH)  
SAA COMMAND & CONTROL/STRATEGIC COMMAND & CONTROL

2. Responsible Organization: US Strategic Command  
Offutt AFB, NE 68113-5280  
Program Manager: Colonel David C. Balsillie  
USSTRATCOM/J62SM  
DSN 271-2332

3. Scope:

a. Mission Supported: CMAH is a ground transportable, command and control system designed to support USSTRATCOM's requirement for a survivable and enduring battle management, war planning, strategic targeting, and intelligence fusion system.

b. Functions Performed: Gives CINCSTRAT surviving and enduring C2 for his forces throughout a nuclear conflict. Provides CINCSTRAT the capability to implement the Single Integrated Operational Plan (SIOP), execution orders of the NCA and to endure through trans- and post-attack periods.

c. Current Resources Used: CMAH uses 3 mainframe computers interfaced to 35 local area networked workstations (IBM-ATs and SUNs). Additional resources include numerous mass storage devices, file servers, and system printers.

4. Benefits: Provides USSTRATCOM a credible survivable, enduring ability to reconstitute its battle management, war planning, strategic target planning, and intelligence fusion missions and functions.

5. Milestones: CMAH is an operational system currently undergoing systems enhancements to meet revised JCS directed mission requirements.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone IV		TBD		HQ USSTRATCOM

6. Major Items of Interest:

a. Status: CMAH is currently undergoing systems enhancements designed to meet JCS directed functionality and provide an integrated war planning and intelligence platform.

b. Contracts: Primary contracts are with Sandia National Labs, EG&G, and Betac Corporation. Sandia National Laboratories performs system integration and engineering required for programed enhancements. EG&G Energy Measurements is providing logistical, engineering, and fabrication support. Betac Corporation provides power generation, control, and uninterruptible power supply support.

c. Changes to Resources: Historically underfunded, CMAH is now receiving increased emphasis as the airborne alternate command platforms' mission(s) are redefined. Life-cycle cost are based on SAC/USSTRATCOM expenditures and do not include ACC personnel costs and JCS program funding.



d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 0.000 (in millions of dollars)  
Current estimate - \$ 95.500 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 0.000 (in millions of dollars)  
Current estimate - \$ 62.900 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 0.000 (in millions of dollars)  
Current estimate - \$ 74.200 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 0.000 (in millions of dollars)  
Current estimate - \$ 48.900 (in millions of dollars)

(3) Sunk cost - \$ 27.800 (in millions of dollars)

(4) Cost to complete - \$ 21.100 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
TAC Command and Control Systems (PE 27416)  
TBJ COMMAND AND CONTROL, TACTICAL COMMAND AND CONTROL
2. Responsible Organization: Air Combat Command  
Langley AFB, VA 23665-1993  
Program Manager: Capt Bradford  
HQ ACC/SCMD  
DSN 574-5317
3. Scope:
  - a. Mission Supported: Supports TAC's force control management network (TACNET) and the C2 software modernization effort.
  - b. Functions Performed: Provides automated C2 reporting capability to 23 ACC sites connected to the WWMCCS host at Langley AFB. Also funds for AT&T local area network to support the ACC Battle Staff.
  - c. Current Resources Used: Currently uses VAX 6620 to host the database and connect into the Honeywell DPS 8000 WWMCCS.
4. Benefits: Provides connectivity to the numbered Air Forces and wing commanders.
5. Milestones: This system is operational.
6. Major Items of Interest:
  - a. Status: Funding (in thousands of dollars) is as follows.  
  
FY 93 -- \$4,048  
FY 94 -- \$2,910  
FY 95 -- \$1,989  
FY 96 -- \$3,213  
FY 97 -- \$3,229  
FY 98 -- \$3,343  
FY 99 -- \$3,456.
  - b. Contracts: N/A.
  - c. Changes to Resources: N/A.

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force World-Wide Military Command and Control System (WWMCCS)  
Automated Data Processing Equipment (ADPE) Modernization (AFWAM)  
157 COMMAND & CONTROL/STRATEGIC COMMAND & CONTROL
2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Lt Col Ricks  
SSC/XOW  
201 E Moore  
MAFB-  
Gunter Annex, AL 36114-3005  
DSN 596-3587
3. Scope:
  - a. Mission Supported: Air Force World-Wide Military Command and Control System (WWMCCS) Automated Data Processing Equipment (ADPE) Modernization (AFWAM) is an HQ USAF directed program developed for the modernization of AF WWMCCS ADP Systems to meet current and future command and control (C2) needs. AFWAM SPO will procure and install hardware and system software required to support a modern and flexible information systems that can adapt to changing requirements and continue to support the needs of WWMCCS operational users. AFWAM has an open system approach that uses network components that comply with international standards. The program eliminates dependence on proprietary solutions, allows heterogeneous us components and greater flexibility which increases functionality for WWMCCS users. The AFWAM program must accommodate various WWMCCS processing environments and allow connection of the AFC2S database and support the AFC2S applications software. There are 120 worldwide AF and Joint command sites supported by AFWAM. Without a coordinated and controlled modernization effort, MAJCOM and using agencies would develop unique and redundant modernization efforts which would require multiple interfaces, multiple modernization costs, and logistic support requirements.
  - b. Functions Performed: The function of AFWAM is to enhance the communication backbone of AF WWMCCS. Through a series of Pre-Planned Product Improvements (P3I), the communication infrastructure of MAJCOMs ACC, AMC, USSTRATCOM, USTRANSCOM, USSOCOM, AFSPACECOM, PACAF, and USAFE will be modernized so war planners will have ready access to the war planning and deployment software of JOPES and AFC2S. The laborious efforts of AFWAM will enable the US and the AF to accomplish its mission of national security. MAJCOM and using agencies have been provided with intelligent workstations. These workstations are internally linked together into a federation of computers creating an AFWAM local area network (LAN). Also, the series of P3Is will enhance the user access to war planning information.
  - c. Current Resources Used: Modernized Air Force (AF) WWMCCS systems will consist of user workstations, mainframe computers, communications processors and interfaces, operating systems and utility software, client/server file servers, data base management systems, as well as AF standard, and command and site unique application programs. The hardware and software employed in AF WWMCCS will be standardized across the AF and will be compatible with the current WWMCCS hardware and software. The AFWAM SPO will be responsible for procuring and installing the hardware and operating system software to support the C2 system software. The hardware installation effort

will utilize commercial off-the-shelf (COTS) technology and standard AF contracts (e.g., ULANA) to the maximum extent possible.

NOTE: The cost estimates provided in section V, para C do not include funds received due to changes in program directions.

4. Benefits: AFWAM is the focal point for AF C2 modernization, serving as the single source for enhancing MAJCOM and using agencies communication infrastructure. AFWAM puts war planners in touch with the information they need to meet any contingency or crisis. This system enhances the decision process of commanders by providing access to greater amounts of information in a shorter period of time.

5. Milestones: AFWAM is a post Milestone IV program. It evolved from the WWMCCS Information System (WIS) program which was a post Milestone IV program at the time of its' cancellation. Subsequent to this, Defense Information System Agency (DISA) undertook the scaled down WWMCCS ADP Modernization (WAM) program in the field, the Joint Operational Planning and Execution System (JOPEs), and associated ADPE. WAM was intended to support the JOPEs required operational capability (ROC) and consisted of incremental improvements to the existing WWMCCS using commercial off-the-shelf (COTS) hardware. Therefore, WAM is not a new system but the modernization of an existing one and will follow the process of DoD 5200.2 and the guidelines of DoDI 7920.1 for Life Cycle Management as a Milestone IV program. In September 1992, Assistant Secretary of Defense for Acquisition canceled the WAM program based upon problems encountered with the JOPEs software development. HQ USAF/SC elected to continue the AFWAM program as an Air Staff directed program to proceed with the efforts undertaken to date. AFWAM still relies upon the documentation used for WAM, which remains valid, as its basis, and is considered a modernization of an existing system, a post Milestone IV action.

6. Major Items of Interest:

a. Status: AFWAM Phase II will install remote LANs at 105 sites to satisfy identified Joint WWMCCS requirements. AFWAM Phase I was completed by AFSC which was tasked to design, acquire, and install LANs at eight AF sites and three Joint WWMCCS host sites.

b. Contracts: AFWAM will utilize commercial off-the-shelf (COTS) technology and standard AF contracts (e.g., ULANA) to the maximum extent possible.

c. Changes to Resources: No significant changes in resources.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 69.800 (in millions of dollars)  
Current estimate - \$ 81.800 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 59.100 (in millions of dollars)  
Current estimate - \$ 74.800 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 48.000 (in millions of dollars)  
Current estimate - \$ 81.800 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 43.700 (in millions of dollars)  
Current estimate - \$ 74.800 (in millions of dollars)

- (3) Sunk cost - \$ 1.400 (in millions of dollars)  
(4) Cost to complete - \$ 80.400 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
WING COMMAND AND CONTROL SYSTEM(WCCS)  
180 COMMAND & CONTROL/TACTICAL COMMAND & CONTROL

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: LtC Preston  
SSC/XOX  
2770-H Gunter Park-E  
Montgomery, AL 36104  
DSN 596-5631

3. Scope:

a. Mission Supported: WING COMMAND & CONTROL SYSTEM (WCCS)  
is a HQ USAF directed system supporting operational requirements for command and control during war, contingency and peacetime, both deployed and in-garrison. It directly supports the USAF national strategy - GLOBAL REACH-GLOBAL POWER.

b. Functions Performed: Provide Air Force wing commanders and their decision makers with the critical information needed to effectively and efficiently launch missions and put bombs on target. WCCS is both an in-garrison and deployable system which provides connectivity horizontally within the wing and its deployed units and vertically with other theater battle management systems.

c. Current Resources Used: No current life cycle cost estimate (LCCE) is available for section V, para C of this exhibit.

4. Benefits: Gives wing commanders assurance that their wing resources are available and capable of executing mission taskings as well as providing upward reporting to higher headquarters.

5. Milestones:

A. SITE INSTALLATION - DATE

BARKSDALE AFB	- MAY 93	BARKSDALE AFB	- SEP 94
MT HOME AFB	- JAN 94	RAF LAKENHEATH	- JUN 94
SPANGDAHLE AB	- APR 94	SEYMOUR JOHNSON	- AUG 94

B. SOFTWARE RELEASE - DATE

		WHITEMAN AFB	- SEP 94
VERSION 6.3	- JUN 93	ELMENDORF AFB	- SEP 94
VERSION 1.0	- JAN&FEB 94	EIELSON AFB	- SEP 94

6. Major Items of Interest:

a. Status: All installations except long lead items on Spangdahlem and, Kadena and completion of Mountain Home AFB are on hold until IOQ is declared. Estimate re-start of installation schedule is FY 94.

b. Contracts:

(1) Prime Contractor: SETA/SAIC. Task Order. Currently on

schedule.

(2) CM/DM/COSF Functions: SETA/PSE. Task Order. Currently on schedule.

c. Changes to Resources: Changes in 3400 (O&M) funds in FY 93, FY 94 and FY 95 are due to program receiving 3600 (RDT&E) funding from Electronic Systems Command (ESC) beginning in FY 94.

## **HUMAN RESOURCES**



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DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Personnel Concept III (PC-III)  
021 HUMAN RESOURCES/TOTAL FORCE MANAGEMENT

2. Responsible Organization: AF Military Personnel Center  
Randolph AFB, TX 78150-6001  
Program Manager: Col Wanda Wood, USAF  
AFMPC/DPMYC  
DSN 487-3514

3. Scope:

a. Mission Supported: Personnel Concept III (PC-III) is a program undertaken by the Air Force Military Personnel Center to improve the quality and efficiency of personnel service at locations throughout the world, using improved information processing technologies. PC-III is being implemented because the personnel information system currently in use is not adequately serving the needs of its users. While personnel information requirements have greatly increased over the past 20 years (because of more personnel programs and increased emphasis by the Air Force on personnel quality and readiness), the technology being used to meet these requirements has not changed substantially during this period. The current personnel system, while automated, requires large numbers of paper forms and rosters to be transferred between personnel offices and operational units, to input or extract information. The delays, inaccuracies, and loss of paperwork that often result are considered unacceptable. A second reason for PC-III is to relieve the pressure personnel offices are facing to reduce staffing. Manpower is urgently needed in other operational areas of the Air Force but is not available due to limits set by the Congress on the total personnel strength of the Air Force. Air Force leaders believe that by using new technology to do personnel work more efficiently, manpower authorizations can be effectively moved from the personnel career field to other career fields where they are needed. A final reason is that the technology is now available at cost-effective prices.

b. Functions Performed: A principal feature of PC-III is direct access by authorized end-users to a distributed database that resides on small computers with terminals and printers located in their work areas. Under PC-III, end-users will directly input data (for which they are responsible) and use/retrieve information (that they are authorized to have). In terms of hardware, the system will consist of minicomputers (known as gateway computers), located at a central site, and end-point computers located in key locations on base with printers and terminals in the users' work areas. End-point systems will be configured with terminals and printers as necessary to meet the end-users' functional requirements. These components will be connected to base and Air Force Military Personnel Center mainframe computers through the gateway computer. In terms of software, PC-III will consist of numerous functional personnel applications, interactional aids for the system user, and electronic mail. The functional applications will help system users do their routine personnel work more efficiently. There will be applications for such activities as reporting the change of a supervisor, reporting an individual on leave, approving a promotion list, applying for retraining or selecting an individual for deployment to a temporary duty location. The interactional aids will include screen-formatted data input (for simplicity), on-line edits (for data accuracy), help tutorials, on-line retrievals and report generators, automated forms generation, and store and forward capability.

c. Current Resources Used: PC-III consists of a "gateway" computer (AT&T 3B2/600) and a "core" endpoint computer(s) (AT&T 3B2/600) located in the base personnel office and functional and tenant endpoint computers (AT&T 3B2/600s) located in selected locations on each base. Each Unit Orderly Room, designated work centers, and the functional staff agencies have a suite of peripherals consisting of a terminal(s), laser printer(s), and endpoint printer(s). The terminals are a mix of dumb terminals from the Standard Multiuser Requirements Contract (SMSCRC) or "smart" terminals from other requirements contracts. All devices are connected through electronic communications.

4. Benefits: Under PC-III, units enter personnel changes directly into a unit terminal where the data is edited, coordinated with other offices when necessary, and automatically updated in the unit and base personnel databases, thus eliminating redundant data entry and saving significant manpower (1432 spaces) in personnel offices worldwide. In addition, PC-III gives unit commanders instant and direct access to personnel information 24 hours a day, every day, significantly enhancing unit readiness and personnel responsiveness to the unit mission.

5. Milestones: PC-III is in the last year of its implementation/conversion. The remaining sites on the installation schedule are to be completed by the end of 1993. Full operating capability (FOC) will be achieved with the last installation.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
	Decision Point:			
	- Development	89/06		MAISRC
	- Production	90/06		MAISRC

#### 6. Major Items of Interest:

a. Status: PC-III is in the last year of its implementation/conversion, full operating capability will be attained by the end of 1993.

b. Contracts: The program uses almost exclusively the current standard requirements contracts. The AT&T 3B2/600 minicomputers and most of the peripherals are purchased from the Standard Multiuser Requirements Contract (SMSCRC). The Desktop 3 contract is used for some Unisys smart terminals, and the Bulk Modem contract is the source for CONUS modem and network analyzer equipment.

c. Changes to Resources:

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 475.000 (in millions of dollars)  
Current estimate - \$ 475.000 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 381.000 (in millions of dollars)  
Current estimate - \$ 381.000 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 156.000 (in millions of dollars)  
Current estimate - \$ 156.000 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 153.900 (in millions of dollars)  
Current estimate - \$ 153.900 (in millions of dollars)

- (3) Sunk cost - \$ 85.020 (in millions of dollars)  
(4) Cost to complete - \$ 107.970 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Procurement Management Information System (PROMIS) II  
JPR HUMAN RESOURCES/MILITARY PERSONNEL: ACCESSIONS (ENTRANCE)

2. Responsible Organization: US Air Force Recruiting Service  
Randolph AFB, TX 78150-5421  
Program Manager: Lt Col Roderick Taylor  
HQ USAFRS/RSI  
DSN 487-2960

3. Scope:

a. Mission Supported: USAF Recruiting Service (USAFRS) requires a fully automated processing system to enhance Air Force Recruiting productivity. PROMIS II will increase the efficiency, effectiveness, and competitiveness of Air Force Recruiting by automating and electronically linking all levels of USAFRS. PROMIS II will provide distributed processing support for recruiting functions throughout the United States and overseas.

b. Functions Performed: PROMIS II will provide an automated case file generation capability improving recruiter productivity by reducing the amount of time required to manually build case files, save dollars by reducing applicant travel to the Military Entrance Processing Stations (MEPS) by only scheduling the applicant when complete pre-qualification information is gathered, capture accession qualification information with improved quality and timeliness through connectivity to the local MEPS, improve the timeliness of passing leads information to the individual recruiters, and streamline Recruiting Service management through electronically integrating the entire chain of USAFRS organizations. Each site will have hardware, software, and communications capability that will extend automation capabilities out to the recruiters and flights, and provide additional support to the squadrons and groups. Each recruiter workstation will interface with its supporting MEPS, group, squadron, or flight through a dial-up communications network. The MEPS system will connect to the squadron system through a communications network. The squadrons and groups will be connected through a communications network to the central site with alternate routing to the back-up site. Full network security will be maintained to prevent unauthorized access.

c. Current Resources Used: The PROMIS II architectural platform consists of a 386/486 33MHz CPU with multiuser ports. Up to ten users can access a single CPU. Each user will have a cathode ray tube (CRT), keyboard, and mouse. Systems will be installed in four groups, 29 squadrons, and 1202 recruiting offices which are currently being manned by 2999 recruiting personnel. The system will be supported by a Program Management Office of 41 personnel, four group system administrators and 29 squadron system administrators.

4. Benefits: The operational benefits of PROMIS II are increased efficiency, effectiveness, and competitiveness of Air Force Recruiting. PROMIS II will provide an automated case file generation capability improving recruiter productivity by: reducing the amount of time required to manually build case files; reducing applicant travel to the Military Entrance Processing Stations (MEPS) by only scheduling the applicant when complete pre-qualification information is gathered; capturing accession qualification information with improved quality and timeliness through connectivity to the local MEPS; reducing the amount of time required to process and pass lead information on a

new applicant; streamlining Recruiting Service management by providing real time production management data; providing commercial off-the-shelf OA software containing word processing, electronic mail, spreadsheet, data base and graphics capabilities at all levels of Recruiting Service. Also, PROMIS II will electronically integrate the entire USAFRS organizational chain. In addition, the system saves manpower and money. PROMIS II reduces USAFRS manning by 145 manpower positions and, along with savings realized by reduced applicant travel, has a 10-year lifecycle savings of \$19.3 million.

5. Milestones: Applications software is being developed in-house with commercial off-the-shelf software employing five phases. Software developed under Phases I and II is deployed at field locations. Phase III software is in development. Phases IV, V, and VI are in the initial design phase. All remaining equipment is scheduled for deployment by 2nd quarter 1994. Final operational capability is scheduled for 2nd quarter 1996.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Project Initiation	89/07		HQ AETC
II	Fully Designed	95/05	95/07	HQ AETC
III	Fully Developed	95/07	95/10	HQ AETC
IV	Fully Deployed	96/02	96/03	HQ AETC

6. Major Items of Interest:

a. Status: PROMIS II is currently in the Phase III, Production and Deployment Phase, of the life-cycle management timeline. Equipment has been deployed to all four group and 29 squadron headquarters, as well as to recruiting offices and MEPS in 16 out of 29 squadrons, which equates to 55% of the total sites in the program. Equipment has been ordered for two additional squadrons. Key communications and network equipment items have been purchased and are in use. Critical system hardware and software components were engineered and tested exclusively for PROMIS II. Operating system, office automation, and communication software licenses for all sites have already been negotiated and purchased. Sixty-five percent of all recruiters are now using PROMIS II equipment and software in their daily operations. Implementation at all remaining sites and the command headquarters is planned to occur within the next four months.

b. Contracts: PROMIS II application software is totally developed and implemented by USAF and Contract personnel using commercially available hardware and software.

c. Changes to Resources: Funding for PROMIS II was reduced \$723,000 due to PBD's 604/750 in FY 92, \$120,000 in FY 93, and \$145,000 in FY 94.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 38.100 (in millions of dollars)  
Current estimate - \$ 36.800 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 37.400 (in millions of dollars)  
Current estimate - \$ 35.900 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 24.100 (in millions of dollars)  
Current estimate - \$ 24.000 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 23.600 (in millions of dollars)  
Current estimate - \$ 23.600 (in millions of dollars)

(3) Sunk cost - \$ 14.400 (in millions of dollars)

(4) Cost to complete - \$ 23.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Personnel Data Systems-90 (PDS-90)  
109 HUMAN RESOURCES, TOTAL FORCE MANAGEMENT

2. Responsible Organization: AF Military Personnel Center  
Randolph AFB, TX 78150-6001  
Program Manager: Maj Jose Saucedo, USAF  
AFMPC/DPMDBS  
DSN 487-3523

3. Scope:

a. Mission Supported: This project acquires hardware and software to replace inadequate and obsolete equipment which provides worldwide personnel management support of active Air Force, Air National Guard, Air Force Reserve, and civilian personnel at the Air Staff, HQ AFMPC, and the Major Commands/Field Operating Agencies. PDS-90 serves all aspects of the personnel "life cycle" including personnel, planning, programming, procurement, manning, utilization, separation, and retirement. Replacement of current equipment is necessary to reduce hardware costs, achieve productivity enhancement, and ensure continued responsiveness to functional user requirements.

b. Functions Performed: This capital replacement program was revised in FY90 to turn in the majority of the modernization and development funding line. The remaining funding is to support a modernization effort to execute technology upgrades to the tape library management system and the communications network processors.

c. Current Resources Used: The equipment to be used to satisfy these requirements will not be determined until contract award. The equipment replacement actions are to be satisfied through open competition. Unknown at this time.

4. Benefits: These capital replacement actions are to replace aged and expensive to maintain subsystems of the AFMPC Central Site. Replacements are needed based on business case capital replacement actions.

5. Milestones: The Automated Library Management System (ALMS) is scheduled for competitive award and implementation in FY93. The capital replacement of the aged Network Front-End Processors is scheduled for contract award and replacement in FY94.

6. Major Items of Interest:

a. Status: The Request for Proposal (RFP) has been prepared and announced for open competition. Contract award is scheduled for FY93 with Implementation/conversion following. The RFP for the replacement of network front end processors will be completed in FY93 with follow-on competition and award in FY94.

b. Contracts: Contracts not awarded.

c. Changes to Resources: None.

d. Resources:



(1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 12.877 (in millions of dollars)  
Current estimate - \$ 11.377 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ 1.500 (in millions of dollars)

(4) Cost to complete - \$ 11.377 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Automated Records Management System (ARMS)  
9AA HUMAN RESOURCES/MILITARY PERSONNEL: PERSONNEL MANAGEMENT
2. Responsible Organization: AF Military Personnel Center  
Randolph AFB, TX 78150-6001  
Program Manager: Lt Col Charles Williams, USAF  
AFMPC/DPMDOM  
DSN 487-2323
3. Scope:
  - a. Mission Supported: The Automated Records Management System (ARMS) program is replacing the obsolete and labor-intensive Micrographics Master Personnel Records System at HQ Air Force Military Personnel Center (AFMPC), Randolph AFB, TX, and Air Reserve Personnel Center (ARPC) at Lowry AFB, CO, with an automated storage and retrieval system which utilizes efficient, cost-effective optical disk technology. The program returns 101 manpower positions.
  - b. Functions Performed: Maintains the Micrographic Master Personnel records. The creation of the records, the update of these record data, and the retrieval of those record images on a demand basis.
  - c. Current Resources Used: The prime contractor has provided a technical solution involving multiple subcontractor's commercially available hardware systems and commercially available imaging software. The computers are POSIX-compliant host systems which drive the imaging systems/peripheral components. Centel Inc. is providing fully integrated systems from multiple commercial vendors.
4. Benefits: Replaces aging, labor-intensive microfiche systems with an automated storage and retrieval system, saving over \$200,000 a year in maintenance costs and turning in 101 manpower spaces.
5. Milestones: Contract is awarded to Centel Inc. on 9 Jan 92 with multiple year development and installation. Oversight by AFMPC/DPMD for contract defined deliverables for remainder of implementation/conversion.
6. Major Items of Interest:
  - a. Status: The program has completed the first year of a multiple year conversion/implementation. Completion of program due in early FY95.
  - b. Contracts: Centel, Inc., is the prime contractor. Contract provides for an integrated hardware and software system using multiple sub-contractors.
  - c. Changes to Resources: None
  - d. Resources:
    - (1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 17.195 (in millions of dollars)  
Current estimate - \$ 17.195 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 7.809 (in millions of dollars)  
Current estimate - \$ 6.458 (in millions of dollars)

(3) Sunk cost - \$ 2.890 (in millions of dollars)

(4) Cost to complete - \$ 6.458 (in millions of dollars)

**INFO MGT TECHNICAL INFRASTRUCTURE**

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DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Local Area Network (LAN)  
008 INFORMATION MANAGEMENT TECHNICAL INFRASTRUCTURE/INFORMATION

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Mr Paul Nock  
MSC/SMSQ CISD  
Wright-Patterson AFB, OH 45433  
DSN 787-5688

3. Scope:

a. Mission Supported: The AFMC LAN project provides a state-of-art intra-site high speed communications network at HQ AFMC, the five Air Logistics Centers (ALCs), and AGMC with video and data capability.

b. Functions Performed: LAN provides managers with on-line communication from terminal to computer, computer to terminal, and computer to computer. It provides on-line access to multiple systems and computers from a single terminal in the work areas.

c. Current Resources Used: No ADP resources used in LAN. However, diagnostic computers are utilized. SC network management functions performed at each site.

4. Benefits:

- 1) Timely user access to needed information.
- 2) Orderly transition from batch to on-line.
- 3) Reduction in demand for base cable.
- 4) Uninterrupted communications support during staff relocation.
- 5) User to multiple computer communications.
- 6) Will support both terminal to computer and computer to computer data transfers.

5. Milestones: N/A.

6. Major Items of Interest:

a. Status: The LAN acquisition program was completed in March 1990, three months ahead of schedule.

b. Contracts: Fixed price maintenance contract with TRW Corporation.

c. Changes to Resources: None.

d. Resources:

- (1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 421.900 (in millions of dollars)  
Current estimate - \$ 421.900 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 122.700 (in millions of dollars)  
Current estimate - \$ 122.700 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Network Control Center (NCC)  
FAJ INFORMATION MANAGEMENT TECHNICAL INFRASTRUCTURE/INFORMATION

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Major Hal Ellis  
MSC/SNS  
Wright-Patterson AFB, OH 45433  
DSN 787-5551

3. Scope:

a. Mission Supported: The NCC is the nucleus of the Information Processing Center environment. It increases the availability of data through the design of organizational and operational structures and procedures, the collection of NCC-related hardware, the concentration of expertise and in the use of sophisticated tools to record and track problems and quickly isolate, diagnose, and resolve outages.

b. Functions Performed: The implementation of Command-standard NCCs will increase use productivity by improving overall system/network performance and resource utilization. Network and system outages will be more quickly identified and resolved. Automated operations and message suppression will provide pro-active monitoring, reduce operator errors, limit the growth of manpower requirements, and provide data integrity.

c. Current Resources Used: The Problem Management Software (PMS) currently runs on IBM hosts at WPAFB, SA-ALC, WR-ALC, and OC-ALC. The Network Management Software (NMS) has been acquired for the IBM/IBM-compatible systems.

4. Benefits: To date, the NMS has been implemented on three systems at WPAFB, and one at SA-ALC and one at SM-ALC.

5. Milestones: N/A.

6. Major Items of Interest:

a. Status: The contract for the NCC Implementation Plan has been awarded.

b. Contracts: The contractors for the Command NCCs are as follows: Peregrine Systems Inc. for the Problem Management System Software, International Business Machines for Network Management System Software, and Softech Inc. for technical support.

c. Changes to Resources: None.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
-----



Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 6.600 (in millions of dollars)  
Current estimate - \$ 6.600 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ 6.600 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY 95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Modernization of Defense Logistics Standard Systems (MODELS)  
FAS INFO MGT TECHNICAL INFRASTRUCTURE, INFORMATION NETWORKS

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Mr William Wagner  
MSC/SXM  
Wright-Patterson AFB, OH 45433  
(513) 427-3737

3. Scope:

a. Mission Supported: The Department of Defense logistical information environment is served by a standard group of transaction sets, known generically as the Defense Logistics Standard Systems. The Defense Logistics Standard Systems are the nucleus of the Department of Defense's ability to logistically support operational needs. Department of Defense MODELS will modernize the Defense Logistics Standard Systems and place new technical requirements on existing and developing Communications-Computer Systems. MODELS will provide a technical solution which will allow the Air Force to transition from current systems to the new modernized Defense Logistics Standard Systems call the Defense Logistics Management Systems.

b. Functions Performed: MODELS will modernize the Defense Logistics Standard Systems transaction sets by implementing the American National Standards Institute's standard, which is a variable-length format, for the electronic interchange of data. MODELS will replace the fixed-length 80-column Defense Logistics Standard Systems transaction format with the variable-length format that will support additional Air Force and Department of Defense requirements.

The additional requirements will be accomplished by the implementation of enhancements to the DLSS (to date, approximately 250 have been identified). All Air Force Logistics Communications-Computer Systems will require software modifications to take advantage of the increased database size, program changes in input and output logic, modifications to screens, redefinition of reports, or other modifications.

c. Current Resources Used: Current resources include a collection of 10 contract personnel to include systems analysts, technical writers, and system administrators. Development of the pre-development/implementation documentation for MODELS is being accomplished using the AppleTalk network and Apple micro computers.

4. Benefits: The Air Force expects to improve mission readiness through improved timeliness, accuracy, resource allocation, item visibility, reduced maintenance costs, and accessibility of Defense Logistics Standard Systems logistics information.

5. Milestones:

A.	MILESTONE	DESCRIPTION	APPROVED SCHEDULE	CURRENT ESTIMATE	APPROVAL LEVEL
	I	Develop Program		93/02	

II	IOC Project A	95/02
III	Implement Proj. B	96/11
IV	IOC	97/11

6. Major Items of Interest:

a. Status: Definition/Design. The MODELS FY93 budget has been substantially reduced, and MODELS has been recommended for Joint Logistics Systems Center review for DoD-wide application.

b. Contracts:

SETA Contractor: I-Net, Inc.  
 Contract: ASETS, Firm Fixed Price  
 Contract: In-progress  
 Contract Performance: On schedule and cost.

c. Changes to Resources. None.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved Estimate - \$ 40.400 (in millions of dollars)  
 Current Estimate - \$ 235.400 (in millions of dollars)

Constant base year dollars

Approved Estimate - \$ (in millions of dollars)  
 Current Estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved Estimate - \$ (in millions of dollars)  
 Current Estimate - \$ (in millions of dollars)

Constant base year dollars

Approved Estimate - \$ (in millions of dollars)  
 Current Estimate - \$ (in millions of dollars)

(3) Sunk Cost - \$ 1.700 (in millions of dollars)

(4) Cost to complete - \$ 185.700 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force Institute of Technology (AFIT) Computer Infrastructure  
JAF INFORMATION MANAGEMENT TECHNICAL INFRASTRUCTURE INFORMATION NETWORK
2. Responsible Organization: Air University  
HQ AU/SC  
Maxwell AFB, AL 36112  
Program Manager: Mrs. Denise Meyer,  
AFIT/SC  
Wright-Patterson AFB, OH  
DSN 785-8401
3. Scope:
  - a. Mission Supported: The AFIT Computer Infrastructure program is the direct result of recommendations by the Accreditation Board for Engineering and Technology (ABET) and NCA accreditation committees and AFIT Subcommittee of the Air University Board of Visitors (BOV) to ensure AFIT will be prepared to meet Air Force goals in education and research now and in the future. Capabilities in the area of graphic terminals, library automation, computer based education, and a large computing capability were identified by these committees as essential for AFIT to remain a credible institution of higher education and research. AFIT has the responsibility to ensure the Air Force has an adequate number of scientists, engineers, and managers in the critical areas of research and engineering development to develop new weapon systems to preserve military parity and deterrence. Therefore, it is of the utmost importance to ensure that AFIT has the most current technology available for its faculty and students to conduct education and research in critical areas.
  - b. Functions Performed: To meet objectives of the AFIT Computer Infrastructure program, three different classes of machines need to be acquired. First, high-capacity computers for teaching and research require large systems for "number crunching". Secondly, medium-capacity computers for teaching, research, database applications needed to support student registration, automated library support, and other faculty and staff support require a variety of scientific and educational software applications. Thirdly, low-capacity computers/graphic workstations are needed to support engineering graphic research and education, and other faculty and staff support. All students, faculty, and staff personnel will utilize all computer systems through AFIT's local area network, which itself must sustain sufficient available bandwidth to support growing demands.
  - c. Current Resources Used: The major components in the high computing arena include 3 high-capacity Silicon Graphics workstations with 16 processors. Associated software includes network file system software, Ada, C++, and Fortran. In the medium capacity environment, major components include a VAX mini-computer and VAX Cluster hardware. The components within the low capacity arena include 56 Sun workstations and 7 Sun servers with associated program applications.
4. Benefits: The operation benefits of the AFIT Computer Infrastructure will provide sufficient computing capability within AFIT to meet student and faculty educational and research goals, provide AFIT with sufficient computational processing capability to relieve AFIT's dependence upon external computational resources up to but not to include super computer (CRAY) capability, and provide computational platforms to meet academic support

capabilities throughout AFIT, especially in the areas of the Academic Library and Admissions/Registrar functions. Additionally, AFIT saves the Air Force over \$32 million a year in research costs. The majority of research accomplished at AFIT utilizes systems that were purchased through this program. Without these systems, the Air Force would spend millions of dollars more to accomplish mission essential research. To date, the program has improved the computing capability of AFIT and has reduced its dependence on outside organizations. This support enables AFIT to maintain its status as an accredited university.

5. Milestones: System operational.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Phase IV	Operational			

6. Major Items of Interest:

a. Status: In FY 94, AFIT plans to acquire upgrades from SUN SPARC1+ and SPARC2 to SPARC10, fiber optic networking, additional Silicon Graphics memory, and image storage and retrieval components. Sun SPARC10's will provide current technology and increased processing speeds which will benefit students working on limited time thesis and research projects. Fiber optics will ensure complete fiber optic network implementation and monitoring capability. Adding memory to Silicon Graphics equipment will accommodate necessary resolution and processing speeds for students to complete classroom projects and thesis studies. The imaging components will continue implementation of AFIT's paperless optical mass storage system in support of student registration, education, staff administrative tasks, and scientific and engineering data archiving at AFIT.

b. Contracts: The contract performance was acceptable in accordance with contract provisions. Many contractors are used to support the AFIT Computer Infrastructure. Contract numbers are not available at this time.

c. Changes to Resources: None. The AFIT Computer Infrastructure Program is progressing as planned.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 26.581 (in millions of dollars)  
Current estimate - \$ 26.581 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 22.886 (in millions of dollars)  
Current estimate - \$ 22.886 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 7.281 (in millions of dollars)  
Current estimate - \$ 7.281 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 1.084 (in millions of dollars)  
Current estimate - \$ 1.084 (in millions of dollars)

- (3) Sunk cost - \$ 7.281 (in millions of dollars)  
(4) Cost to complete - \$ 14.923 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air University Computer Infrastructure Support  
JCI INFORMATION MANAGEMENT TECHNICAL INFRASTRUCTURE INFORMATION NETWORK

2. Responsible Organization: Air University  
Maxwell AFB, AL 36112  
Program Manager: Major Chris Geschke  
AU/RPCP  
DSN 493-4009

3. Scope:

a. Mission Supported: Provides for continued operations and support of the communications-computer infrastructure at Maxwell AFB and the Gunter Annex. This communication-computer system support is vital to the Air Force's resident and nonresident Professional Military Education programs which include Air War College, Air Command and Staff College, Squadron Officer School, Officer Training School, and the Senior NCO Academy. This AIS also directly supports several Professional Continuing Education schools such as the Air Force's Chaplain and Judge Advocate General resident programs. Additionally, this AIS funds for hardware and software maintenance for the Air University Library's computer system.

b. Functions Performed: Provides day to day operations and maintenance support of the communication-computer infrastructure at Maxwell and Gunter. This includes hardware and software maintenance of the AU Library system, small computer maintenance, Maxwell-Gunter data and video local area network, and maintenance support to Air University unique software systems. Also provides hardware maintenance support for ADP regionalization efforts (DMRD 924).

c. Current Resources Used: Resources include two GEAC minicomputers with 4.1 Gigabytes of data storage and peripheral equipment to support the AU Library system. Resources also include all mini and micro computers supporting all Air University organizations at Maxwell-Gunter.

4. Benefits: This communication-computer infrastructure is vital to the operational mission of the Air Force's resident, correspondence and seminar professional military education and also includes numerous professional continuing education courses. Additionally, this AIS provides communication-computer support to the Air University staff. The purchase of LAN capable color notebook computers and a network capable of serving over 800 users provided an environment in which the student could accomplish the majority of required research curriculum study and interactive wargame play within the confines of the classroom, as well as provided a platform for student input into the school's educational database.

5. Milestones: This is support for the communication-computer infrastructure at Air University.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Phase IV	Operational			

6. Major Items of Interest:

a. Status: This AIS provides day-to-day operational support for the Air University communication-computer infrastructure.

b. Contracts: Various support contracts.

c. Changes to Resources: Funding increase for FY 93 was due to the one time purchase which provided each ACSC student with a LAN capable color notebook computer and established a network capable of serving over 800 users.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
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Approved estimate - \$ 122.140 (in millions of dollars)  
Current estimate - \$ 122.140 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ (in millions of dollars)



DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Defense Message System - Air Force (CMS-AF)  
YMD INFORMATION MANAGEMENT TECHNICAL INFRASTRUCTURE/INFORMATION NETWORK

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Lt Col Toler  
SSC/SSD  
180 McCracken-South  
MAFB-Gunter Annex, AL 36114  
DSN 596-3510

3. Scope:

a. Mission Supported: Defense Message System (DMS) is an OSD downward directed program. It is a jointly developed DoD DMS Target Architecture and Implementation Strategy (TAIS). Defense Message System-Air Force (DMS-AF) is the Air Force portion of the program (IAW HQ USAF/SCMB Program Management Directive [PMD] 0933(2)/Program Element [PE] 0303129F) which implements the jointly developed DoD Target Architecture and Implementation Strategy. DMS-AF is an evolutionary architecture designed to replace the current collection of disjointed electronic message systems. It consists of many separate projects at base-level which will improve Air Force electronic messaging. The main feature of DMS-AF is the automation of Base Communications Centers (BCC), the proliferation of a standard E-Mail Host at all bases, migration to Government Open Systems Interconnection Profile (GOSIP), implementation of a Secure Data Network System (SDNS), and the evolution of a mature writer-to-reader message service.

b. Functions Performed: Air Force Systems Program Office (SPO) was established at Maxwell AFB-Gunter Annex, AL on 6 Mar 90. The SPO provides planning, development, acquisition, integration, implementation, and testing guidance for the DMS-AF. Plans architectural and implementation strategies and develops and coordinates the DMS-AF transition plan and the program management plan with all affected MAJCOMS. Establishes and documents the DMS-AF system performance baseline. Provides Air Force representation on the DMS implementation group (DMSIG), the DMS Detail Architecture Team (DAT), and the security policy working group (SPWG). In coordination with MAJCOMS, prepares maintenance and support concepts, training plans, and test plans. Prepares and nominates programs for consideration as DMS joint and central projects. Investigates alternatives and determines best life-cycle support for systems. Prepares Request for Information (RFI), Request for Proposal (RFP), and Statement of Work (SOW) required to obtain the necessary hardware and software required to implement the program. Identifies resource requirements needed to implement DMS-AF components and systems at bases worldwide. The SPO will award and manage the DMS-GOSIP acquisition contract that will support the Air Force as well as all other DOD Services and Agencies.

c. Current Resources Used: DMS-AF SPO has 34 military and civilian authorizations. An additional 28 positions have been approved to award and implement DMS GOSIP contract for all DOD Services and Agencies worldwide.

4. Benefits: DMS-AF is a major program that supports Defense Management Report Decision (DMRD) 968 initiative to save money and manpower by replacing obsolete and manpower-intensive message processing equipment, eliminating

manpower by closing Base Communications Centers (BCCs), and evolving to a writer-to-reader messaging service for organizations and individuals. Programs being replaced under the DMS-AF umbrella are: Air Force Automated Message Exchange (AFAMPE), Standard Remote Terminal (SRT) which is being replaced by the Message Distribution Terminal (MDT) and the Communications Support Processor (CSP). Hardware maintenance for these systems will save approximately \$10M per year. In addition, DMRD 968 initiative has already taken 470 Air Force manpower slots as indicated:

FY94	40
FY95	160
FY96	130
FY97	140

##### 5. Milestones:

Phase I Schedule - FY89-FY94 - Automate BCCS, reduce O&M costs, implement X.400/X.500, remove narrative and data pattern messages from AUTODIN, and implement writer-to-reader message service.

Phase II Schedule - FY95-00 - Further reduce O&M, complete X.400/X.500, implement secure data system and message security protocol, and phase out AUTODIN.

Phase III Schedule - FY01-08 - Complete actions from Phase II and implement ISDN.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Phase I	Phase I Schedule		89-94	SSC/USAF
Phase II	Phase II Schedule		95-00	SSC/USAF
Phase III	Phase III Schedule		01-08	SSC/USAF

##### 6. Major Items of Interest:

a. Status: Air Force selected as the lead military service in implementing the X.400 messaging system. The SPO used an existing contract to integrate and accomplish fast prototyping of X.400 commercial off-the-shelf (COTS) software messaging products to operate on an AT&T 3B2 600GR hardware platforms. When the prototypes are fully tested and implemented, this will allow the phase out of AFAMPE AUTODIN systems. The DMS-AF GOSIP acquisition team is scheduled to release the RFP in March 94. Implemented X.400 prototype messaging systems at Maxwell AFB-Gunter Annex, Scott AFB, and Tinker AFB. SPO used an existing contract to develop and integrate an X.400 Defense Message System User Agent (DMSUA), Directory User Agent (DUA), and Mail List Agent (MLA). When this project is completed, it will be used by all Services and Agencies to implement X.400 messaging worldwide.

b. Contracts: DMS-AF utilizes the following contracts:

(1) F01620-93-D-0001/F01620-93-D-0002: Desktop IV - Purchase PCs to support DMS-AF SPO and implementation of Base Message Host (BMH).

(2) F19630-93-D-0001: Super Mini-Computer Contract - Used to purchase systems to support implementation of BMH.

(3) F30602-91-D-0121: Rome Labs CSP External Assistance Contract - Used to integrate X.400 messaging products to operate on the AT&T 3B2 600GR mini-computer.

(4) DCA 200-89-D-0040: DECCO Bulk Modem Contract - DISA contract used by program office for purchase of modems - fixed price.

(5) AF2 DMS-GOSIP Acquisition Contract due for award in Nov 94.

c. Changes to Resources: No significant changes in resources.

**INFORMATION MANAGEMENT RESOURCES**

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DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force Equipment Management System (AFEMS)  
013 INFORMATION MANAGEMENT RESOURCES/INFORMATION TECHNOLOGY

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: MS Kendra S. Warren  
MSC/SK  
Wright-Patterson AFB, OH 45433  
DSN 787-4711

3. Scope:

a. Mission Supported: AFEMS drives equipment logistical decisions, across all commands, from base to Air Staff level for \$32 billion in equipment inventory and is the only source for total visibility of all Air Force equipment.

b. Functions Performed: Provides on-line equipment information upon which the major commands (MAJCOM) and the system program managers initiate operational support actions. Provides the capability to accurately develop and forecast time-phased equipment requirements, both additions and reductions, for all categories and applications of support equipment. Categories/applications include (but are not limited to) centrally procured, non-centrally procured, war reserve material, test, measurement, and diagnostic equipment, fixed communications-electronics equipment, industrial plant equipment, mission equipment, and vehicles. Provides the capability to support redistribution of both AFMC centrally procured equipment and base-funded equipment assets. Provides for worldwide equipment asset accountability and on-line closed loop asset visibility, from cradle to grave, of all Air Force assets regardless of location or application. Provides assessment information upon which equipment managers at all levels (base, MAJCOM, system program manager, Logistics Operation Center, and HQ USAF) can determine: 1) The impact of force structure changes; 2) The capability to evaluate peacetime/wartime operations plans by weapon system/organization; 3) The operational readiness based on equipment availability and need dates; and 4) The effect of material management decision on weapon system performance.

c. Current Resources Used: AFEMS will support world-wide Air Force activities in 285 Air Force Base Supply locations, 36 MAJCOM/FOA Equipment Offices, five Air Logistics Centers, and AFMC/SSC/HQ USAF and other staff agencies. AFEMS will be a single on-line system, using state-of-the-art hardware and software to provide direct user access world-wide. Central site processing utilizing IBM 4381 computers will be located at Wright Patterson AFB Ohio. Contingency site operations will be located at Robins AFB GA.

4. Benefits: This effort realizes significant, unquantified benefits to both management and users in enhancing mission capability, increased readiness, sustainability, and war-fighting capability. Additionally, cost savings/evidence will be realized through correction of systematic problems.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
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I	SRR	88/02		AISARC
II	CDR	91/07		AISARC
III	Prod. Decision	93/12	94/04	AISARC

6. Major Items of Interest:

- a. Status: Conditional FOC reached 30 Sep 93 within cost.
- b. Contracts: Martin Marietta - Prime - FFP - on schedule and within cost; CENTECH - SETA/IV&V - FFP - on schedule and within cost.
- c. Changes to Resources: Program Acquisition Cost and Life-Cycle Cost increased by \$0.3M (in Then Year \$) to accommodate user-directed changes.
- d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 134.900 (in millions of dollars)  
Current estimate - \$ 139.200 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 134.900 (in millions of dollars)  
Current estimate - \$ 139.200 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 82.400 (in millions of dollars)  
Current estimate - \$ 82.400 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 70.000 (in millions of dollars)  
Current estimate - \$ 70.000 (in millions of dollars)

(3) Sunk cost - \$ 71.900 (in millions of dollars)

(4) Cost to complete - \$ 0.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
AFMC MIS Support Systems  
FAA INFORMATION MANAGEMENT RESOURCES/INFORMATION TECHNOLOGY

2. Responsible Organization: AFMC MSC/SN  
Wright-Patterson AFB, OH 45433  
Program Manager: Timothy Conley  
AFMC MSC/SN  
DSN 787-2978

3. Scope:

a. Mission Supported: The primary mission of the HQ AFMC MIS support system is to provide care and feeding of the processing capability for the Materiel Systems Center assigned communications-computer systems. This includes the acquisition, development, management, budgeting and maintenance of communications-computer systems.

b. Functions Performed: The HQ AFMC MIS support systems personnel define and maintain AFMC's processing platforms and data administration program. They manage the evaluation of new computer technologies and integrate existing computing resources with advanced capabilities which they acquire and implement. They also perform the technical management of AFMC logistics processing platforms. This includes oversight, maintenance, monitoring and releasing AFMC's computer operating system and utility software for Command installation. Their responsibility includes planning and performing hardware and software configuration management of the baseline operating environment. The system personnel establish and direct technical site activation tasks, networking, rehosting, system security and capacity management. They direct and manage AFMC's data administration program, establish and direct data policies and standards including information engineering, data standardization and database administration. They manage their own business functions, including the management of technical and administrative support contracts, programming, planning, budgeting, and acquiring processing and technical support resources.

c. Current Resources Used: Approximately 400 Government personnel are employed, along with contractor support personnel. They manage and maintain the following:

Prime 750  
Honeywell DPS6/48  
Honeywell 4180  
Honeywell DPS6/45  
Data General MV8000  
Data General MV10000  
Pyramid 840  
Digital VX11/780  
Hewlett-Packard A900  
IBM 4381  
IBM 3090  
Wang office automation equipment  
Miscellaneous microcomputers

4. Benefits: Benefits result in a disciplined approach to accomplish 1)



transformation of operational needs into a description of a system configuration that best satisfies the needs according to the measure of effectiveness and efficiency; 2) integrating of related parameters and assuring compatibility of all physical, functional and technical program interfaces to optimize the total system definition and design; and 3) integrating the efforts of all engineering disciplines and specialities into the global engineering effort.

5. Milestones: N/A.

6. Major Items of Interest:

- a. Status: Not applicable.
- b. Contracts: Not applicable.
- c. Changes to Resources: Not applicable.
- d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 31.500 (in millions of dollars)  
Current estimate - \$ 31.500 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ 11.500 (in millions of dollars)

(4) Cost to complete - \$ 20.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Integrated Library System  
JAL INFORMATION MANAGEMENT RESOURCES/INFORMATION SERVICES TRAINING

2. Responsible Organization: HQ AETC Library Office  
Randolph AFB, TX 78150  
Program Manager: Margie Buchanan  
HQ AETC/SVPC  
DSN 487-3791

3. Scope:

a. Mission Supported: The AETC Integrated Library System will support all AF, AF RESERVE, and Air National Guard education and training needs. This system will be required to support the USAF Consolidated Information Resource Center proposal (SAF/AAIX) and is mandated by AFR 215-15 and AF Library Corporate Standards. The combination of increased workloads and manpower shortages (AETC libraries manned at 70%) has resulted in both real and intangible lost dollars in libraries. Many libraries no longer have time for research assistance for military personnel, instructors, and students. AETC libraries have reduced mission and education support programs, hours of operation, children's and adult programs, and technical operations required by AFR 215-15. Backlogs exist in materials processing, and overdue notices are not sent promptly due to staff shortages. An integrated library system will enhance mission, education, and recreational support to all USAF personnel and improve the quality of all library operations.

b. Functions Performed: The AETC Integrated Library System will automate circulation, cataloging, patron access, inventory, and interface functions at 12 AETC libraries. Currently, only one AETC base library is automated (which was a prior ACC library transferred to AETC), while approximately 50 Air Force libraries are automated, including Air University, Air Force Institute of Technology, and Air Force Academy libraries. The computerized system will enhance customer access to information, streamline technical operations, and increase resource sharing. Customers could quickly access titles, authors, subjects, and status of all library materials. USAF personnel could locate detailed information for training, academic, and professional initiatives promptly and efficiently. Automation will easily add, edit, track, sort, and withdraw library material records. Circulation will efficiently use scanners for check-in, check-out, reserves, and overdues. Numerous statistics which are now calculated manually will be readily available in the reports function of this system. These systems will have the capability for CD-ROM database interfaces and dial-in access. Overall results include more accurate and timely access to library resources and increased responsiveness to the education and training needs of USAF personnel.

c. Current Resources Used: The Integrated Library System uses Desktop IV's or similar IBM compatible computers with UNIX based operating systems, online interfaces, and fully integrated software. Each site will use a minimum of two patron access terminals, one circulation computer with scanner, one cataloging computer, one printer, one inventory scanner, one modem, and peripherals to connect all functions in a turn-key or LAN network.

4. Benefits: The Integrated Library System will delete many repetitive clerical and manual tasks, thus allowing time for completion of tasks required by AFR 215-15 and AF Library Corporate Standards, such as weeding and

inventory, collection development, and education support programs. Data will be readily available for annual library reports (AFR 179), budgets, collection analysis, and circulation turn-over rates. Cataloging, materials processing, and circulation transactions could be accomplished accurately. Mission and training support would be enhanced through expanded information access capabilities.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Project Initiation	92/08		HQ AETC
II	System Designed		94/03	HQ AETC
III	System Developed		94/12	HQ AETC
IV	Sys Fully Deployed		95/06	HQ AETC

6. Major Items of Interest:

a. Status: Funding allocation was received in Dec 93. We are currently refining/updating specifications for preparation of AF Form 9 and contracts.

b. Contracts: A single Fixed Price Requirements Contract will be developed, bid, evaluated and awarded in FY94.

c. Changes to Resources: None.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 1.700 (in millions of dollars)  
Current estimate - \$ 1.700 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 1.600 (in millions of dollars)  
Current estimate - \$ 1.600 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 0.979 (in millions of dollars)  
Current estimate - \$ 0.979 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ (in millions of dollars)

(4) Cost to complete - \$ 0.979 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Advanced Training System (ATS)  
JAT INFORMATION MANAGEMENT RESOURCES/INFORMATION SERVICES TRAINING

2. Responsible Organization: Air Education & Training Command  
(AETC)  
Randolph AFB, TX 78150-2345  
Program Manager: Capt Jeffery S. Robertson  
HQ AETC/XORT  
DSN 487-3560

3. Scope:

a. Mission Supported: The current training system within AETC is both paper and manpower intensive. In order for AETC to meet the demands of the future and to respond in an efficient and effective way to the growing trends of technology, AETC needs the means to respond in a flexible way to changing training requirements and training resources (both budget and manpower). Foreseeing increased operational deficiencies in the future and a need for a new training system, HQ AETC incorporated the use of computer technology into their long range plans. The end result was the approval of an ATS to be developed by AFSC to meet AETC's training needs. This system must support the changing requirements while also providing for quality training at reasonable cost. The objective of ATS is to increase the effectiveness and efficiency of training provided by AETC. Thus AETC must be able to perform the following functions using the ATS: (1) develop training (both conventional and CBT); (2) deliver training (including any mode from interactive videodisk to textbook); (3) evaluate student performance, course effectiveness, and the system itself; and (4) manage resources, including students, data and other training resources. The resource management function is derived from the requirements to develop training that is tailored to the needs of the trainees and to evaluate trainee progress during and after training. This training system is not a management information system; however, it was designed specifically for use on equipment normally used for management information systems. This design decision was based on the need for expansion.

b. Functions Performed: ATS is a Training system, resident on a computer system, for AETC's technical and medical service training wings that provides more efficient and effective training through the application of state-of-the-art computer based technology. It supports all training functions: course design, development, and delivery; resource and student management; and evaluation of training. ATS is designed to use off-the-shelf hardware--it is designed to be transportable between major hardware systems with minimum modifications. The original requirements are: (1) Perform as a single, integrated system, (2) Contain support tools and design aids for developing courses, (3) Support all training functions, (4) Provide expert models for training development and support all training methods and media, (5) Hardware independent and Ada compliant to allow for hardware expansion.

c. Current Resources Used: The Advanced Training System's developed code, which has already been delivered to the Government, is hosted on mini-computers. Graphics workstations (personal computers purchased off Desktop IV contract), printers, scanners, and associated peripherals provide the means to perform the various functions provided by ATS. All hardware and commercial software packages will be purchased from standard requirements contracts wherever possible. The equipment communicates via the

intra-building local area network (LAN) (purchased as part of the ATS acquisition) which is connected to the existing base LAN.

4. Benefits: Based on the Functional Economic Analysis, completed 17 Feb 93, implementation of ATS will produce savings of \$116.6M through FY01. These savings will be generated from (1) more efficient and timely course development, resource and student management, and course and student evaluation; (2) increased utilization of computer-based training which dramatically increases training effectiveness. The customers, the operational commands, will receive better-trained, prepared, and equipped personnel in the same amount of time or even more quickly. The end result will be increased readiness and productivity for the Air Force. Another benefit from ATS is a reduced requirement for instructor personnel to train the same number of students as a result of the increased student to instructor ratios and the shortening of courses. After installing the automated system in FY94, the cost savings will start to be realized in FY97. The cost savings will more than pay for all costs of implementing the system.

5. Milestones: ATS is an ACAT IV program; the Designated Acquisition Commander (DAC) is at HSC/CC. Initial Operational Test and Evaluation (IOT&E), scheduled to start in Jun 94, will support the Milestone III decision.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Ops need stated	81/03		AETC/CC
II	System Ops Concept	87/10		DAC
III	Sys Contract Award	89/05		DAC
IV	Prod. Approval	94/05	94/09	DAC

6. Major Items of Interest:

a. Status: Developmental Test and Evaluation (DT&E) was completed in Nov 93. An initial core system has been delivered to Keesler AFB as part of the development contract. This core system will be used during IOT&E this year (start Jun 94). Planning for acquisition of production equipment for Keesler AFB, MS, and Sheppard AFB, TX, is underway.

b. Contracts: The development contractor with IBM will be completed this fiscal year. It is a firm fixed price contract--\$1.7M remains to be obligated and expended. The development contract has multiple options which are available for execution. An interim contractor support option has been exercised at a cost of \$1.1M (3400 funds). An equipment purchase option must be exercised this year in order to provide Keesler AFB with the amount of equipment needed for Initial Operational Capability (IOC). This option is anticipated to cost no more than \$4.5M (3080 funds). Desktop IV equipment purchases, also needed for Keesler IOC, are expected to cost no more than \$2M (3080 funds). Other equipment purchases, totalling no more than \$2.5M (3080 funds) will be provided via various contracting methods (GSA, sole source, 8-A, small business, etc.)--standard contracts and GSA purchases will be used to the maximum extent possible.

c. Changes to Resources: The 3080 procurement money for ATS has changed for three reasons:

1) due to base closure of Lowry and Chanute, earlier projected equipment has decreased,

2) there have been manufacturer price reductions in equipment cost,

and

3) changes in the inflation rates.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
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Approved estimate - \$ 191.700 (in millions of dollars)  
Current estimate - \$ 191.700 (in millions of dollars)

Constant base year dollars  
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Approved estimate - \$ 159.000 (in millions of dollars)  
Current estimate - \$ 159.000 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
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Approved estimate - \$ 96.400 (in millions of dollars)  
Current estimate - \$ 96.400 (in millions of dollars)

Constant base year dollars  
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Approved estimate - \$ 84.200 (in millions of dollars)  
Current estimate - \$ 84.200 (in millions of dollars)

(3) Sunk cost - \$ 35.400 (in millions of dollars)

(4) Cost to complete - \$ 52.000 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Interactive Courseware Development Centers Workstations  
JTT INFORMATION MANAGEMENT RESOURCES/INFORMATION SERVICES TRAINING

2. Responsible Organization: Air Education & Training Command  
(AETC)  
Randolph AFB, TX 78150-5001  
Program Manager: Doug Rausch  
HQ AETC/XORR  
DSN 487-3194

3. Scope:

a. Mission Supported: The procured workstations will allow the Air Force to develop an in-house capability to produce interactive courseware for flying, medical and technical training courses. Currently, the majority of Air Force courseware is either stand-up lecture or contractor-developed interactive courses. The Air Force can realize a significant cost-savings by developing its own courseware and by converting courses to computer-based applications.

The basic requirement for procuring the workstations is to bring Technical, Medical, and Flying Training courseware development methods in-line with current technology. These workstations will support all personnel involved with the development and delivery of flying, medical, technical, and field training courseware. In addition, the system supports trainees that will use the developed courseware. Workstations will also be provided to installations added to AETC to ensure compatibility and interoperability of developed and delivered courseware. A need exists to reduce funds associated with contractor-developed courseware and to support the development of an Air Force capability to produce interactive courseware. Interactive courseware provides a means for development of exportable courseware to deliver certain field training courses; provides a potential solution to the Year of Training initiative to phase out the field training detachments.

b. Functions Performed: The workstations will perform all functions associated with the development and delivery of interactive courseware. The functions will be inherent in the software purchased for the workstations. These functions include, but are not limited to, media analysis, course objectives, lesson plans, interactive video disc and computer-based lessons, and cost benefit analysis. The systems will also be used as technology demonstrators for new interactive courseware software as it becomes available. Other uses for the systems will be the passing and collecting of information from the Advanced Training System (ATS) for technical and medical training and the flying training management system (TMS) for flying training.

c. Current Resources Used: All workstations will contain an advanced personal workstation with a 14" VGA color monitor. A LAN card will be installed to network the workstations and to provide connectivity to already existing systems (ATS and flying TMS). The systems will have either a laser or dot matrix printer. Scanners, 245MB hard disk drive, 5.25" floppy disk drive, and other additional hardware and software as needed.

4. Benefits: The cost benefits to be derived from implementing the ICW workstation system amount to a savings, less the initial cost of the system, of \$12.88M based on a cost comparison using discounted dollars over the eight

year life cycle of the equipment. This figure reflects student costs (TDY to School), instructor costs, and material costs, and corresponding reductions in each as a result of the implementation of the ICW workstations, and the impact on installations being added to AETC. Over the life cycle, student costs would be reduced by a total of \$2.85M because of a reduction in training time; instructor costs would be reduced by \$3.54M due to improved manpower efficiencies (fewer instructors would be required); and material costs would be reduced by \$1.65M because fewer materials would be required for course development and delivery. Estimated savings from providing interactive courseware development workstations to the installations added to AETC is \$4.84M discounted dollars over the life cycle. These savings include a reduction in student costs of \$2.47M and instructor costs of \$2.37M over the life cycle. Other benefits, to which cost savings are difficult to quantify, include: increased training effectiveness, and improved training retention and achievement resulting in improved job proficiency.

5. Milestones: Several ICW development flight workstations have been purchased with FY93 Training Technology Applications Program (TTAP) 3080 funds. Additional workstations are being justified by this document with funds provided by the FY94 TTAP 3080 funds. This is a non-MAIS.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
0	Project Initiation	90/10		HQ AETC/TT
I	Concept Developed	91/04		HQ AETC/XOR
II	ICW Flight Design	91/09	93/06	HQ AETC/TT
III	H/W Reqt Developed	92/01	94/01	HQ AETC/XOR
IV	System Deployment	92/09	94/08	HQ AETC/TT,XPC

6. Major Items of Interest:

a. Status: This effort is part of a larger effort to bring AETC in-line with current courseware development and delivery methods. Several workstations have been purchased in FY92 using AF Form 3215, Communications - Computer Systems Requirements Document (CSR). This document builds on the two previous CSRs submitted for Keesler (CSR Number Keesler 92-7025) and Sheppard (CSR Number Sheppard 92-7026) AFBs.

b. Contracts: No contractors are needed to develop any parts of this system. The majority of the hardware can be purchased from current Air Force Desktop contract. The interactive video disk (IVD) requirements and authoring system will have to be purchased from other sources.

c. Changes to Resources: These changes show planned expenditures for FY 94 in support of the interactive courseware development centers at Keesler, Lackland, Sheppard, Randolph, and additional installations added to AETC to support flying, medical, technical, and field training course development and delivery.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$	1.960 (in millions of dollars)
Current estimate - \$	1.960 (in millions of dollars)



Constant base year dollars  
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Approved estimate - \$ 1.868 (in millions of dollars)  
Current estimate - \$ 1.868 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 2.750 (in millions of dollars)  
Current estimate - \$ 2.750 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 2.658 (in millions of dollars)  
Current estimate - \$ 2.658 (in millions of dollars)

- (3) Sunk cost - \$ 0.790 (in millions of dollars)  
(4) Cost to complete - \$ 1.868 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Standard Base-Level Computer (SBLC) Upgrades/Phase IV Support  
158 INFORMATION MANAGEMENT RESOURCES/INFORMATION TECHNOLOGY

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Maj Hoff  
SSC/SSML  
MAFB-  
Gunter Annex, AL 36114-3218  
DSN 596-1378

3. Scope:

a. Mission Supported: This program provides the capability to sustain and maintain processing capability for 66 CONUS and 35 OCONUS bases and 112 Air National Guard, Air Force Reserve installations by providing for accounting and finance, military and civilian personnel, supply, maintenance, transportation, and operations. This program is to sustain the support provided to our bases. This program does not develop new systems or application code. Partial funding of the SBLC program would inflict serious impact on the day-to-day operations of Air Force installations throughout the world, who depend on the standard base-level and regional processing systems to accomplish their mission-critical functions. In addition, the inability to resolve system software problems could make the entire standard base-level computer support inoperative, degrading or disabling the functions of our warfighting missions to include aircraft maintenance, supply and logistics operations, personnel and payroll application, and funds and account.

b. Functions Performed: Due to force restructuring, mission changes, manpower increases or decreases, software modifications, operating system revisions, and/or natural causes, each SBLC in the AF inventory must be sustained and modernized to ensure operational effectiveness throughout its life cycle. Upgrades are required to keep hardware and software operational thereby preventing frequent outages, causing lost man-hours. Without SBLC hardware upgrades, every day tasks will not be supported. The upgrades are all sustainment upgrades and do not include any application software development.

c. Current Resources Used: Specific candidates for upgrade include disk drive units, central processing unit (CPU), and main memory. On average, 15-20 Air Force installations require different types of equipment upgrades each year. The primary mainframe computer in use at all SBLC sites is the UNISYS 2200 series.

4. Benefits: This program prevents system saturation and maintains current levels of performance and reliability provided to our bases. Upgrades to systems prevents loss of user man-hours due to frequent computer outages. This program is a sustainment program and without upgrades to each and every base worldwide, supplies may not be ordered on time, personnel may not be paid, facilities may not be upgraded or built, and basic human services may not be performed. Readiness of operational aircraft and missiles will be affected by lack of critical information necessary for maintenance and supply support, and military and civilian pay systems would be jeopardized.

5. Milestones:

6. Major Items of Interest:

a. Status: Phase IV follow-on contract awarded July 91, ending 26 January 97.

b. Contracts:

Prime Contractor: UNISYS Government Systems, Inc.  
Phase IV Contract Number: F01620-91-D-0003  
Contract Award: July 91  
Contract Type: Firm Fixed Price  
Duration: 6 years  
Estimated Value: \$612 Million

c. Changes to Resources: These funds provide for sustainment support to our CONUS (Active and Guard) sites and our overseas locations.

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Cargo Movement Operations System (CMOS)  
128 INFORMATION MANAGEMENT RESOURCES/INFORMATION TECHNOLOGY

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Maj Wakeley  
SSC/LGTT  
201 E Moore  
MAFB-  
Gunter Annex, AL 36114-3005  
DSN 596-5709

3. Scope:

a. Mission Supported: Cargo Movement Operations System (CMOS) is a combat support system that automates and streamlines base-level cargo movement processes for both peacetime and mobility/contingency cargo. Workstations in each functional area support one-time data capture and preparation of documentation for all modes of shipment. Documentation is prepared on bond paper using a laser printer forms emulation package.

(1) Cargo movement is electronically reported to the destination and appropriate command/control agencies. The electronic reporting of cargo movement makes CMOS a vital component of the logistics community's effort to provide total asset visibility. CMOS maintains and reports data formerly kept in an assortment of log books.

(2) The system will be implemented at approximately 199 locations worldwide (approximately 96 active duty bases and 103 Air Reserve Component installations). It integrates computer equipment purchased from Air Force standard contracts, commercial off-the-shelf (COTS) software, and application software.

(3) CMOS is being developed incrementally. The first increment automates base-level traffic management procedures. Increment II adds the capability to plan and execute movement of mobility cargo and passengers. Increment III provides the capability to support evolving transportation user requirements.

b. Functions Performed: CMOS is being developed incrementally as follows:

(1) Increment I automates base-level TMO processes. CMOS electronically receives DD Form 1348-1 information from the AF Standard Base Supply System (SBSS). Upon receipt CMOS transmits acknowledgment of receipt and shipment status. CMOS prepares all documentation to move a shipment within the defense transportation system and commercially. Documentation produced by CMOS includes the transportation control and movement document, bar-coded military shipping label, government bill of lading, commercial bill of lading, and air and truck manifest. CMOS automatically sends shipment data to several interfacing agencies. CMOS maintains inbound and outbound manifest registers, funding information, and workload data. CMOS provides an on-line history for shipment tracking.

(2) Increment II adds war fighting capability to the base-level

transportation function by interfacing with Logistics Module Base (LOGMOD-B), Automated Mobility Processing System (AMPS), and the Computer Aided Load Manifesting System (CALM). Increment II allows CMOS to electronically receive planning and execution data from Contingency Operation/Mobility Planning and Execution System - Base-Level (COMPES-B) and prepares bar coded Military Shipping Labels for mobility cargo prior to execution. CMOS reports movement and receipt information on deploying units to the supporting and supported MAJCOMs and NAFS. CMOS also adds electronic data interchange (EDI) capability and enables CMOS to pass information to commercial trading partners.

c. Current Resources Used: CMOS uses a client-server architecture and is currently using AT&T 3B2 servers and Desktop III microcomputers as clients; however, CMOS is converting to the Hewlett Packard 9000/750 server. The system is connected together using a local area network (LAN). Logistics Marking and Reading Symbolology (LOGMARS) equipment is used to incheck cargo and print bar coded shipping labels. CMOS uses Kyocera laser printers and UNISYS dot matrix printers. CMOS is currently operating at five AF bases: Tyndall, Shaw, Langley, Barksdale, Seymour-Johnson, Scott, Lackland, and Maxwell. Additional implementation is planned this year at the following AF bases: Eglin, Hurlburt, and McChord.

NOTE: For section V, para C of this exhibit, a revised life cycle cost estimate (LCCE) is currently being developed. Expected completion date: 30 April 1993.

4. Benefits: CMOS automates the peacetime and go-to-war capabilities of base-level transportation. CMOS provides in-transit visibility to cargo moving in the Defense Transportation System and expedites the movement and reporting of cargo and personnel during wartime/contingency operations. CMOS uses bar code scanners and laser printers, a TMO LAN and distributed data processing to process cargo on a daily basis and during contingencies.

(1) Other benefits resulting from CMOS is a reduction in astray cargo, better funds management, and more efficient storage of information. CMOS ties together other logistics systems electronically and is contributing to a paperless work place through electronic data interchange (EDI) with Government agencies and commercial carriers.

(2) Based upon the CMOS Functional Economic Analysis (FEA), Sep 92, several savings have been identified. As CMOS is implemented, savings will be accrued in the following: recoupment of lost and damaged shipments (\$11.4M), postage costs (\$0.4M), prepaid vendor transportation (\$9.5M), cost of forms (\$3.1M), duplicate shipments (\$0.5M), inventory purchase and holding costs (\$67.2M), and Special Assignment Airlift Mission (SAAM) flying costs (\$8.7M). Total savings in FY92 dollars would be \$100.8M.

5. Milestones: CMOS is scheduled for Qualification Operational Test and Evaluation in October 1993 and a Milestone III review in January 1994.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone III	Prod Decision		11/93	AISARC

6. Major Items of Interest:

a. Status: CMOS is currently operating at eight Air Force bases: Shaw, Tyndall, Langley, Barksdale, Seymour-Johnson, Scott, Lackland, and Maxwell. Additional implementation is planned this calendar year at the following bases: Eglin, Hurlburt, and McChord. CMOS Operational Requirements Document

(ORD) was signed Feb 93.

(1) CMOS will migrate to a Hewlett Packard 9000/750 server. A software upgrade was completed to correct deficiencies noted during QOT&E conducted Nov 92-Jan 93.

(2) Interface agreements are being negotiated with HQ AMC's Consolidated Aerial Port System II (CAPS II) and HQ MTMC's CONUS Freight Management System (CFM). Completing these interfaces this year is contingent upon CMOS receiving additional funding.

(3) Work is currently underway to develop an electronic commerce (EC) environment with HQ USAFE by prototyping the customs clearance process using electronic data interchange (EDI).

b. Contracts:

Odgen Government Systems - Development Contractor

Type: FFP  
Involvement: Software development and system integration.  
Status: On schedule, meeting costs.

Science Application International Corporation

Type: SETA  
Involvement: IV&V  
Status: Below cost, on schedule.

ETA Technologies Corporation

Involvement: Engineering support.  
Status: Below cost, on schedule.

c. Changes to Resources: Increases in EEIC 568 are due to additional hardware maintenance as CMOS fields more equipment in their implementation schedule. Decrease in EEIC 592 is due to completion of Increment II software changes.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

-----  
Approved estimate - \$ 246.300 (in millions of dollars)  
Current estimate - \$ 246.300 (in millions of dollars)

Constant base year dollars

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Approved estimate - \$ 197.300 (in millions of dollars)  
Current estimate - \$ 197.300 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

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Approved estimate - \$ 95.000 (in millions of dollars)  
Current estimate - \$ 95.000 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 82.100 (in millions of dollars)  
Current estimate - \$ 82.100 (in millions of dollars)

(3) Sunk cost - \$ 11.980 (in millions of dollars)

(4) Cost to complete - \$ 234.320 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Base-Level Systems Modernization (BLSM)  
153 INFORMATION MANAGEMENT RESOURCES/INFORMATION TECHNOLOGY

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Lt Col J.D.Smith  
SSC/XOM  
210 E Moore Dr  
MAFB-Gunter Annex, AL 36114  
DSN 596-4110

3. Scope:

a. Mission Supported: Supports all areas of base-level support, i.e., supply, maintenance, transportation, finance, logistics, contracting, services, civil engineering, and operations. Modernizes all applications supporting base-level operations. The base-level systems provide automation support for the wing commander in the management of base resources and in the daily management of the base, as well as, preparation to support the warfighting mission.

b. Functions Performed: Base-Level Systems Modernization (BLSM) is an umbrella program covering the re-engineering of all the standard base-level computer systems including supply, maintenance, transportation, finance, civil engineering, logistics, contracting, services, and operations to an open systems vendor independent architecture.

c. Current Resources Used: Standard Base-Level Computer (SBLC) systems operate on UNISYS 2200/600 with Uniscope terminals, AT&T 3B2, Wang minicomputers, Desktop III, Zenith Z-248. Some of the applications share data through tape transfers while others transfer diskettes. In addition, some of the applications get information into their data base by the rekeying of information provided by a report from another application.

NOTE: No current life cycle cost estimate (LCCE) is available for section V, para C of this exhibit. A LCCE is currently being developed.

4. Benefits: The modernization program will provide the current base-level applications the capability to operate in an open systems environment as well as being portable between hardware from different vendors, thereby reducing life-cycle costs. In addition, the applications will be redesigned from the current stovepipe structure to systems based on sharing of data with end-user increased productivity and effectiveness. They will enhance the overall operation of the bases allowing the Wing Commanders to have information that is more current, accurate, and complete while reducing manpower, hardware, and software costs. An all encompassing functional economic analysis (FEA) will be accomplished, benefits (dollar value) will be determined at that time.

5. Milestones: Milestone II review is planned for 3rd Quarter FY94.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Demo Projects	3 Projs To Concept	91/09		AISARC
Milestone I	Review Program	92/09	93/07	AISARC



**6. Major Items of Interest:**

a. Status: The Request for Information (RFI) processing for BLSM phase level applications as a demonstration of the software engineering process. In addition, the demonstration projects will assist in the development of the total modernization concept and objectives. The AISRC reviewed the overall base-level automation support in Sep 91 and determined continued automation support was required but needed modernization to support the changing missions. Approved the continuation of the three demonstration projects with another review of the program scheduled for Jul 93.

b. Contracts: Currently, the program is using Harris Data Services. It was begun in Nov 93. The RFI was advertised in the Commerce Business Daily and placed on the SSC bulletin board on 24 Nov 93. BLSM has received feedback that will be useful as alternatives are considered. Per amended PMD, a Request for Proposal (RFP) to obtain an integration contractor for BLSM II, is projected to be released the 4th Quarter of FY94. Contracts: TBD.

c. Changes to Resources: No significant changes in resources.

## **MATERIEL RESOURCES**

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DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Requirements Data Bank (RDB)  
004 MATERIEL RESOURCES/MATERIEL MANAGEMENT

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Colonel Michael H. LaBeau  
MSC/SM  
Wright-Patterson AFB, OH 45433  
(513)259-4800

3. Scope:

a. Mission Supported: The Requirements Data Bank (RDB) is a major software development effort to correct deficiencies in the requirements computation process and provide the capability for the Air Force to relate logistics resource decisions to weapon system combat capability. The RDB objectives and required capabilities focus on providing more accurate and timely information for strategic planning, forecasting, management directions, and operational control of logistics resources. The current materiel requirements data systems originated in the late 1950s and early 1960s. They are technologically archaic, supported by antiquated hardware and application software. To correct these deficiencies, RDB will define, design, develop, test, operate, and maintain a modern materiel requirements systems which will replace the current unsatisfactory systems for the Air Force Materiel Command (AFMC) (formerly Air Force Logistics Command (AFLC)) materiel requirements process. RDB supports the materiel management DBOF business area.

b. Functions Performed: The RDB was to replace 19 current systems and manual processes using an evolutionary, building block approach. RDB will compute and stratify requirements for spares, consumables, and equipment items; determine budget projections; measure force readiness; and assess policy changes. It will allow the user to accomplish on-line file maintenance and data query as well as view displays of current data, thus reducing paperwork and increasing data visibility. Requirements will be driven by weapon system management (WSM) goals. By collecting and managing item and weapon system data, the requirements determination/computation, inventory stratification/forecasting, buy/repair decisions, and execution tracking will all be done at the weapon system level. The end result will be data that enables decisions which maximize readiness and sustainability within specific cost goals. Information generated will be used to develop Program Objective Memorandum (POM)/budget submissions as well as program, allocate, and reprogram funds. In addition to providing weapon system management capability, RDB will incorporate other required system policy and management changes that have been identified but deferred until they could be included in the modernization effort. The RDB database is the technical architecture and platform for the DOD standard system. All component applications will be mapped into the RDB. However, at this point specific JLSC direction is currently being determined.

c. Current Resources Used: The resource requirement projections have been specified in DAR LOG-LOR-D82-121 and its supporting documents. RDB CPU/AMDAHL mainframes have been installed at HQ AFMC, OO-ALC, OC-ALC, SA-ALC, SM-ALC, WR-ALC, and the contractor's facility. AMDAHL (IBM compatible) mainframe processors were competitively selected for use in the RDB hardware architecture design. The operating systems consists of the IBM Multiple

Virtual Storage/Extended Architecture family of software. The database management system is the relational database DATACOM/DB. Environmental software support is provided by various IBM and Computer Associates (CA) products. The IBM Computer Information Control System/Virtual Storage (CICS/VS) is the general purpose data communications monitor for terminal-oriented transaction programming. The primary connectivity for the local user is the local area network (LAN). Host computers are also attached to the LAN through a series of network interface units (NIUs) linked to IBM 7171 protocol converters; local users are linked to the Defense Commercial Telecommunications Network (DCTN) for Defense Data Network (DDN) through the local RDB host via an NCR COMTEN front end processor. The communications architecture inter-site communications are compatible with the AFMC SNA Gateway (SNAG). All hardware requirements are being consolidated under the DMRD 924 program commencing in FY94.

4. Benefits: The benefits derived by the Air Force (MAISRC Milestone III review) from implementation of RDB are as follows: 1) Improved demand forecasting; 2) Requirements computation based on weapon systems and end-item readiness; 3) Reduced budget preparation time; 4) Improved budget execution; 5) Improved management capability, products, and reports; 6) On-line, interactive database; 7) Improved productivity; 8) Improved accessibility, accuracy and currency of data; 9) Modernization of technologically archaic systems that are supported by antiquated hardware and application software; 10) Automation of manual processes, especially those involving computations, data retrieval, data input, and simulation. Since JLSC is now responsible for DOD development systems, specific benefits will be addressed once direction is given.

5. Milestones: Received HQ USAF DPD - Jan 1983; CPAF contract awarded - Jan 1984; Final contractor selection - Jan 1985; IOC - Aug 1985; FPI contract awarded - Sep 1988; FOC - Sep 1995.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Develop Concept	84/11		MAISRC
II	Approv. to Proceed	89/10		AISARC
III	Approv.toImplement	93/05		AISARC/MAISRC
IV	Prod. Decision	TBD		MAISRC DC

#### 6. Major Items of Interest:

a. Status: Systems that have achieved IOC include: Equipment Item Processing, Applications/Programs/Indentures, EOQ Depot Data Bank, past and projected Program Data System, Recoverable Item Stratification System; DO 41 Central Secondary Item Stratification (CSIS), Retail Item Stratification System; Economic Order Quantity (EOQ) CSIC Stratification; Equipment Budget Projection; Automated Funds Tracking for all Central Procurement Accounts, Weapon System Budget Information System (WSBIS), Initial Requirements Determination Process, and Special Tooling/Special Test Equipment.

RDB has been downward directed by DOD to implement DMRD 904 (Stock Funding of Depot Level Repairables).

The RDB was designated as a Program Executive Officer (PEO) program on 20 May 1990. Currently, JLSC has in their HQs an updated APB to sign moving guidance and direction from the PEO to JLSC.

In FY 1992, RDB was directed by DOD to implement DMRD 925 (Corporate

Information Management). The JLSC will direct and fund all RDB development efforts.

b. **Contracts:** Development Contract was awarded as a Cost Plus Award Fee (CPAF) contract to the BDM Corporation in Jan 1984 and as a Fixed Price Incentive (FPI) contract in Sep 1988. Contractor performance in FY93 prime contractor is on schedule and under budget.

The Atlantic Research Corporation (ARC), formerly Systems and Applied Science Corporation (SASC), was awarded a Cost Plus Fixed Fee contract for independent verification and validation (IV&V) for the RDB. The contract was completed in Sep 1989.

ARC was awarded a Task Order under the Information System Engineering, Prototype, and Development (ISEPD) Task Order contract to provide IV&V for the RDB development contractor for FY90, FY91, AND FY 92. Contract was awarded 16 Mar 93 for FY93/94 as a Firm Fixed Price. Contractor's name was changed to CSC 1 Jan 94.

RCF (formerly Rogers, Carol, and Ferguson) was awarded a Firm Fixed Price (FFP) contract to install and maintain an office information system (OIS) and provide senior logistics analyst support to aid the RDB program office. This contract terminated 30 Sep 1993.

IMPACT Corporation was awarded a Task Order to support the RDB program with senior logistics analyst support. Contract support ended in FY91. International Computing and Engineering Service (ICES) was awarded a Task Order to install and maintain an office information system (OIS) and provide senior logistics analyst support. This contract was effective 11 Jan 1994. PMSS provides on-site contractor support for planning, evaluations, program and cost analysts. Original contract was awarded in 1985 and ended in Dec 1993. Current contract awarded 31 Dec 92.

c. **Changes to Resources:** None.

d. **Resources:**

(1) Life-cycle cost.

Then year (Inflated) dollars  
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Approved estimate - \$ 558.228 (in millions of dollars)  
Current estimate - \$ 538.000 (in millions of dollars)

Constant base year dollars  
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Approved estimate - \$ 578.147 (in millions of dollars)  
Current estimate - \$ 558.658 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
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Approved estimate - \$ 253.600 (in millions of dollars)  
Current estimate - \$ 231.700 (in millions of dollars)

Constant base year dollars

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Approved estimate - \$ 287.100 (in millions of dollars)  
Current estimate - \$ 263.000 (in millions of dollars)

(3) Sunk cost - \$ 246.400 (in millions of dollars)

(4) Cost to complete - \$ 10.495 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Depot Maintenance Management Information System (DMMIS)  
007 MATERIEL RESOURCES/DEPOT MAINTENANCE

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Col Ronald W. Jayne  
MSC/SQ  
Wright-Patterson AFB, OH 45433  
DSN 787-8881

3. Scope:

a. Mission Supported: The Depot Maintenance process exists to retain or restore material to serviceable condition. It includes servicing, repair, modifications, modernization, overhaul, assemble testing, reclamation, inspection, and condition determination for all USAF aerospace weapon systems, sub systems, and support equipment.

b. Functions Performed: Manufacturing Resource Planning (MRP II) commercial off-the-shelf software is a comprehensive approach to planning, scheduling, and controlling the activities of an industrial environment. MRP II is useful in planning maintenance loads, allocations, maintenance resources, and scheduling skill and parts support.

Materiel request edits will ensure the proper items and quantities of material are issued to the production process and that the bill of material remains accurate. Finally, these material control practices will reduce inventory costs, awaiting parts (AWP), and excess material situations.

Accordingly, it is expected to create efficiencies that are not possible under the current system, and will ultimately reduce costs.

c. Current Resources Used: DMMIS Phase I is operational and runs on computers with related peripheral and remote equipment unique to each site. For DMMIS Phase II and III MRP II implementation, the program will use IBM 3090s, with an upgrade to the ES/9000, including related peripheral equipment at each Air Logistics Center.

4. Benefits: DMMIS will improve visibility of what is in work, where it is, where it will go, and when it will go. This will permit us to identify the work-in-progress, those items actually in work and reduce pipeline spare quantities and rob back actions. The rough cut and detailed capacity requirements planning features of MRP II give us complete visibility of our resource requirements for any planned workload schedule.

Presently, automated scheduling of exchangeable end items consist of informing the scheduler when an item should be inducted into work, and when work should be completed. Everything in between is neglected. MRP II will correct this problem. Since end items and components will be scheduled through each step of the repair process, scheduling efficiency will be greatly improved.

Our present automation treats all aspects of workload scheduling in broad categories and is incapable of dealing with day-to-day imbalance between resources available and resources required. MRP II will provide the tools necessary for achieving a balance between the two.



5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
I	Contract Award	88/01		MAISRC
II	IOC - Phase II	90/05		MAISRC
III	FOC - Phase II/III		95/07	MAISRC

6. Major Items of Interest:

a. Status: The overall program assessment for DMMIS is rated unsatisfactory due to lack of funding and the inability to execute the baselined program.

b. Contracts:

1) Tandem Hardware: The contract for DMMIS Phase I processing hardware was awarded Jul 85.

2) IBM Hardware: Hardware is being acquired as part of the systems contract awarded to Grumman Data Systems 29 Jan 88. A joint AF/GDS H/W study committee recommended in Jun 90 that DMMIS be co-hosted with SC&D on the 3090s rather than purchase separate equipment for DMMIS. The preliminary Engineering Change Proposal, recommending SC&D computer upgrade resource requirements for each ALC, was approved 18 Jul 91.

3) MRP II Software: The contract for development of DMMIS Phase II/III software was awarded to Grumman Data Systems on 29 Jan 88.

4) IV&V: Independent Validation and Verification (IV&V) of the DMMIS software development is being performed by ENTEK, Inc.

c. Changes to Resources: None.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 575.100 (in millions of dollars)  
Current estimate - \$ 607.400 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 495.500 (in millions of dollars)  
Current estimate - \$ 484.900 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 249.700 (in millions of dollars)  
Current estimate - \$ 269.800 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 211.300 (in millions of dollars)  
Current estimate - \$ 223.900 (in millions of dollars)

- (3) Sunk cost - \$ 149.300 (in millions of dollars)  
(4) Cost to complete - \$ 119.400 (in millions of dollars)

**DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement**

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Reliability and Maintainability Information System (REMIS)  
012 MATERIEL RESOURCES/MAINTENANCE DATA COLLECTION

2. Responsible Organization: Materiel Systems Center  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Mr Clifford Hall  
MSC/SR  
Wright-Patterson AFB, OH 45433  
DSN 787-5078

3. Scope:

a. Mission Supported: The primary objective of REMIS is to "enhance the front end design and increase the readiness and sustainability of AF weapon systems by improving the availability, accuracy and flow of essential equipment maintenance information". REMIS is being designed to incorporate centralized processing techniques and other appropriate hardware and software technology. All requisite information will be maintained in an integrated data base and will be immediately accessible to AF managers worldwide by both weapon system and major equipment category. Data bases now being used in support of AFR 66-14 requirements are very fragmented and have severe quality, timeliness and accessibility limitations. An effective R&M program will make weapon systems more available, mobile and durable, as well as reducing manpower costs. The key to doing this is the timely transfer of accurate information to all levels of management. REMIS is being developed to provide a single primary AF data base for collecting and processing equipment maintenance information and to provide on-line, interactive access to a comprehensive source of valid, integrated information for all authorized AF users. REMIS is included in the materiel management DBOF category.

b. Functions Performed: REMIS is being developed to support all levels of R&M management within the AF structure. Users will include HQ USAF, HQ AFMC/EN/XR, all Air Logistics Centers (ALCs) to include Weapon System Program Managers, Reliability Engineers, Item Managers, Equipment Specialists, Technology Repair Centers as contracted by the ALCs and all MAJCOM LGM/LGS/XP to their respective base level unit. REMIS will provide current product performance, equipment multiple status, utilization and inventory, and configuration status of all weapon systems managed within the AF. The AF has described a need in AFR 66-14 for REMIS which will keep the AF weapon systems combat ready in peace, and sustain them in war. The need of managers at all levels of command to have access to accurate and current information for planning and decision making dictates that a modern efficient method be developed. REMIS will be the primary AF data base for collecting and processing equipment maintenance information. REMIS is included in the CIM materiel management functional activity for the possible building of Computer Program Identification Number (CPIN) and Time Compliance Technical Order (TCOT) management information for Configuration and Logistics Information Program (CLIP)

c. Current Resources Used:

Tandem 16 processor VLX mainframe (Headquarters AFMC)  
Tandem 3 processor VLX mainframe (Ogden ALC)  
Tandem 3 processor VLX mainframe (Sacramento ALC)  
Tandem 3 processor VLX mainframe (San Antonio ALC)

Tandem 3 processor VLX mainframe (Warner Robins ALC)  
Tandem 5 processor VLX mainframe (Oklahoma City ALC)  
Tandem 10 processor CLX minicomputer (Development)  
AT compatible personal computers  
DDN connectivity  
DSN connectivity  
Headquarters broadband connectivity  
AISG connectivity  
5 commercial 800 lines

4. Benefits: REMIS will provide: on-line interactive access for authorized users worldwide to an integrated data base containing all necessary weapon systems management information, thereby reducing untimely manual message/report traffic; automatic updating of historical data with one year of detailed and five years of summary data on-line; on-line entry and updating of tables by authorized users; capability to provide centrally controlled edit tables and criteria for editing at the input source; automatic error checking which automatically produces intermediary outputs of unidentified, inappropriate or questionable data; simple, easy to learn and use (user friendly) menu selection of flexible query and report generator (graphic and tabular) functions providing detailed and summarized information; menu-selectable library of standard algorithms and analysis techniques; capability to receive, validate, process and store multiple status and other new reports form CAMS.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
0	Project Initiation	85/05		MAISRC
I	Develop Concept	85/09		MAISRC
II	Develop. Decision	87/06		MAISRC
III	Prod. Decision		95/06	MAISRC
			95/10	MAISRC

6. Major Items of Interest:

a. Status: Contract awarded 30 Sep 86. The three REMIS subsystems: Equipment Inventory Status subsystem (EIMURS), Product Performance Subsystem (PPS), and the final Generic Configuration Status Accounting Subsystem (GCSAS) have achieved Initial Operational Capability (IOC).

b. Contracts: FFP Litton Computer Services for development, operations and maintenance.

c. Changes to Resources: The major differences between the approved estimates and the current estimates are the reevaluation of the hardware replacement and additional information on approved baseline change requests. The Approved Estimate for the Life-Cycle Cost reflects the Program Office Estimate (POE) including organic costs. The Approved Estimate for the Program Cost reflects the POE without organic costs.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

-----

Approved estimate - \$ 289.200 (in millions of dollars)  
Current estimate - \$ 225.000 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 253.000 (in millions of dollars)  
Current estimate - \$ 201.700 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 259.400 (in millions of dollars)  
Current estimate - \$ 199.200 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 227.600 (in millions of dollars)  
Current estimate - \$ 179.800 (in millions of dollars)

(3) Sunk cost - \$ 121.500 (in millions of dollars)

(4) Cost to complete - \$ 77.700 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Core Automated Maintenance System (CAMS)  
017 OTHER/OTHER

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Mr Hays  
SSC/LGM  
410 E Moore Dr  
MAFB-  
Gunter Annex, AL 36114-3000  
DSN 596-4091

3. Scope:

a. Mission Supported: Core Automated Maintenance System (CAMS) is the primary Air Force (AF) standard base-level automated maintenance information management system. The system will support all aircraft, communications-electronics, and support equipment maintenance activities at 109 worldwide operating bases, 153 Air National Guard/AF Reserve sites, and selected NATO locations. CAMS has been designated as the AF standard base-level management information system for collecting and processing maintenance information. It is the only program being developed to satisfy this need. Without a standard, MAJCOMs and using agencies will develop unique/redundant automated systems that will multiply development costs and require multiple interfaces with other logistics systems.

b. Functions Performed: CAMS replaces existing manual maintenance data collection and maintenance work order systems by providing on-line remote terminals connected to the Standard Base-Level Computer (SBLC) system throughout the maintenance complexes. CAMS automated aircraft history, aircraft scheduling, and aircrew debriefing processes, and provides a common interface for entering base-level maintenance data into other standard logistics management systems. When fully developed and implemented (FY94), CAMS will interface through the Defense Data Network (DDN) with the following systems:

(1) Reliability and Maintainability Information System (REMIS)

(2) Comprehensive Engine Management System (CEMS)

(3) Standard Base Supply System (SBSS)

(4) B-1B Configuration Status Accounting System (CSAS) (formerly Airlift Interim CAMS and REMIS Systems and Tactical Interim CAMS and REMIS Reporting System (formerly F-16 Central Data System)).

c. Current Resources Used: CAMS is an automated data system processing on the SBLC. Therefore, CAMS uses the equipment from the base-level data automation contract with UNISYS Corp. CAMS equipment upgrades expand the capabilities of the base-level data processing centers at main/host bases and increase terminal equipment in the using maintenance communities at main/host and remote satellite sites.

4. Benefits: CAMS is the standard automated maintenance system for the AF, serving as the single source for all base-level maintenance information.

CAMS channels manpower resources to sortie production. This automated system enhances the decision process for supervisors by providing greater data accuracy and availability.

5. Milestones:

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone I	Data directive	83/05	83/05	HQ USAF/LGMM
Milestone II	Design reviews	86/12	86/12	HQ USAF/LGMM
Milestone III	FOC	94/07	FY94	HQ USAF/LGMM

6. Major Items of Interest:

a. Status: Presently, CAMS is operational at 109 locations. All hardware has been installed, with the last main increment of software completed in August 1992.

b. Contracts:

Contractor: UNISYS Corp.  
 Scope: To sustain and maintain the SBLC environment contract.  
 Number: F01620-91-D-003 follow-on  
 Contract Type: Firm fixed price, indefinite delivery, indefinite quantity.

Contractor: Harris Data Services Corp.  
 Scope: Software support contract is for development, maintenance and/or modification of software for AF users.  
 Contract Type: Cost plus fixed fee.

Contractor: Economics Technology Associated, Inc.  
 Scope: The contractor shall provide on a worldwide basis a broad range of non-personal technical services.  
 Contract Type: Labor hours.

c. Changes to Resources: Increase in EEIC 568 due to projected requirement for all automated data systems and agencies within SSC to purchase their own computer maintenance (i.e., fee for service).

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ 317.000 (in millions of dollars)  
 Current estimate - \$ 317.000 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
 Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 88.800 (in millions of dollars)  
Current estimate - \$ 88.800 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

- (3) Sunk cost - \$ 142.200 (in millions of dollars)  
(4) Cost to complete - \$ 112.900 (in millions of dollars)



**DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement**

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Combat Ammunition System (CAS)  
019 MATERIEL RESOURCES/MATERIEL MANAGEMENT

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Lt Col Peter  
SSC/LGW  
201 E Moore  
MAFB-  
Gunter Annex, AL 36114-3004  
DSN 596-5115

3. Scope:

a. Mission Supported: Combat Ammunition System (CAS) provides automated support for munitions activities worldwide by improving command and control (C2), logistics readiness, and responsiveness to wartime tasking. Systems are purchased using capital investment funds (3080 Appropriations) under the total system rule. Each location having munitions stocks and management responsibility requires a system and connectivity for higher echelon command and control reporting. Each system supports base level munitions personnel for munitions accountability and sortie production, MAJCOMs for logistics and operational C2 activities, and Ammunition Control Point (ACP)/Air Staff for world-wide military C2. CAS eliminates manual tasks ranging from inventory and storage site planning to flight line delivery of combat configured munitions. This puts munitions personnel back to the job of sortie production by eliminating a wide range of manual tasks. It also implements DoD directed Logistics Marking and Reading Symbology (LOGMARS) bar code technology for some 300 AF ammunition accounts.

b. Functions Performed: CAS has a general purpose computer resource function code 18. CAS functional network is an interactive system comprised of components integrated horizontally and vertically at four levels. CAS-B supports base-level and CAS-C supports command-level. CAS-A supports unique applications for the Ammunition Control Point (ACP) and the Air Staff Logistics Readiness Center (LRC). Deployable CAS will serve the field as a "functional slice" of the more complex CAS-B and can serve as an intermediate or regional ACP. AF/DoD systems which have CAS interrelationships include: Weapon System Management Information System (WSMIS), Air Staff Logistics Capability Measurement System (LCMS), General Unified Ammunition Reporting Data System (GUARDS), Defense Standard Ammunition Computer System (DSACS), and Joint Operations and Planning Execution System (JOPES).

CAS provides unit, component, and unified and specified commanders with C2 over munitions stockpile for decision actions, integrating munitions stocks, personnel, and material handling equipment into an individual entity to generate combat sorties. System will be used to structure coherent operational planning scenarios for off-base support, delivery of munitions to storage areas, movement of components to build-up locations, and final delivery of complete round assets to the flight line configured to meet mission objectives. Munitions personnel are available for more critical, time sensitive activity in direct combat support. At USAF Ammunition Control Point level, ACP will use information provided by CAS to direct AF munitions posture changes.

c. **Current Resources Used:** CAS is a USAF standard system which is comprised of independent and interactive subsystems that are integrated both horizontally and vertically. It provides an automated capability for non-nuclear and nuclear strategic and tactical munitions C2 reporting. CAS performs by receiving requests for data, responding automatically with known data, notifying the user of data required, and providing a media to transport that data to the requesting activity. The program is carried out through the installation of UNISYS System 11 host computers (currently being replaced by AT&T 3B2/600C minicomputers) and satellite terminals at base-level, MAJCOMs and Air Force Logistics Readiness Centers.

4. **Benefits:** CAS will automate munitions C2 from the base level to the Joint Chiefs of Staff, increase the capability for combat sortie production worldwide, eliminate manual operations, and improve munition logistics readiness. It also saves 356 manpower authorizations across the AF, all of which will come off manpower documents by FY94.

5. **Milestones:**

NOTE: CAS was placed under the Major Automated Information Systems (MAIS) program in the 4th quarter of FY89 after Milestones 0, I, II, and III reviews would have been held. Completed and ongoing actions were/are as follows:

Milestone	Description	Date(s)	Approval Level
Milestones 0	III		
	Hardware Installed	Feb 87-Dec 96	AFSARC
	Conventional	Aug 87	AISARC
	IOC	May 88	AISARC
	PACBASE Redesign (System 11)	Aug 90-Jan 92	AISARC
	3B2 Conversion	Aug 90-May 93	AFSARC
	IDR/CRD/BIF Upgrade	Feb 92-Aug 93	AFSARC
	CAS-A Development	Sep 91-Jun 93	AFSARC
	Deployable CAS	Sep 91-May 93	AFSARC
	Remaining Rqmts	Feb 92-Sep 97	AFSARC

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Milestone III	FOC	FY97	FY97	AFSARC
Milestone IV	Ops/Support Review	FY98	FY98	AFSARC
Milestone V	Upgrades/Replace	FY01	FY01	AFSARC

6. **Major Items of Interest:**

a. **Status:** CAS is in all phases of the acquisition process. Systems are currently operating with System 11 PACBASE redesign application software in PACAF, USAFE, ACC, and AFMC. The 3B2 conversion is in the process of implementation, CAS-A development and deployable CAS are in coding. Priority follow-on requirements are being defined. Programmed funds will be used to develop and field remaining software requirements on the AT&T 3B2.

b. **Contracts:** Prime contractor is Electronic Data Systems (EDS) Federal. EDS provides hardware maintenance for fielded systems under fixed price orders, software maintenance for fielded software at a level of effort, and software development under firm fixed price. Current contract efforts are on schedule and within cost. Other contractors being used are (1) Economics Technology Associates (ETA) for systems engineering and technical assistance, Indefinite Quantity/Indefinite Delivery (IQ/ID) contract; (2) SYNERGY for systems engineering, analysis and evaluation, and software development, firm

fixed price and time & material contract. With the exception of the prime contractor, all contract efforts are progressing on schedule and within costs. The prime contractor is working hard to overcome technical performance deficiencies which have created some delays in software development schedules.

c. Changes to Resources: CAS has been undergoing a rebaselining with a revised program estimate pending finalization of DoD selection of a migration ammunition system for all services.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 374.900 (in millions of dollars)  
Current estimate - \$ 374.900 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 230.000 (in millions of dollars)  
Current estimate - \$ 282.700 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 230.000 (in millions of dollars)  
Current estimate - \$ 279.400 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 186.800 (in millions of dollars)  
Current estimate - \$ 249.600 (in millions of dollars)

(3) Sunk cost - \$ 100.100 (in millions of dollars)

(4) Cost to complete - \$ 32.200 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Integrated Data Strategy (IDS)  
FAY MATERIAL RESOURCES/CALS/EDI/ELECTRONIC COMMERCE

2. Responsible Organization: HQ AFMC  
Wright Patterson AFB, OH 45433  
Program Manager: Nick Bernstein  
HQ AFMC/ENC  
Wright Patterson AFB, OH 45433  
DSN 787-3085

3. Scope:

a. Mission Supported: The Integrated Data Strategy (IDS) Program is an approach adopted by the Air Force Material Command (AFMC) to define and validate requirements for developing integrated technical information systems that capture, store, manage, retrieve, use and disseminate digital data. IDS is NOT a system. The primary goals of IDS are to (1) define requirements for future Air Force technical information system, (2) define technical data for weapon systems support, (3) develop a "soft" prototype as a testbed, (4) validate requirements within Air Force Logistics and Product Center environments, and (5) transfer enabling technologies to both government and industry. An important aspect of IDS is to provide requirements and lessons learned to JCALS. In fact, the IDS and JCALS programs are now recognized by senior management as being complementary and supportive of each other. To ensure a close working relationship, an MOA has been established between the programs to maximize technology transfer and avoid duplication of effort. JCALS focuses on the computer system architecture which produces the production hardware and software for deployment. IDS concentrates more on the information architecture, which defines the critical technical information and user requirements. IDS is included in the material DBOF category.

b. Functions Performed: CALS Requirements Definition is the main objective of the IDS project. Air Force User requirements are being defined, validate, and documented and will help establish baselines for the DoD Joint projects. A prototype Integrated Weapon System Data Base (IWSDB) will be a key element of IDS. The IDS is composed of the following functional elements: Knowledge Engineering, User Verification Sites, and Requirements Oversight. (1) Knowledge Engineering is the application of a systems engineering methodology, information engineering tools, knowledge base repositories, and data collection activities to define requirements for advanced information systems that support the mission of a user community. (2) User Verification Sites provide the test bed for verification of user requirements. Sites include the Air Logistics Centers and Product Centers. Planned sites include: SM-ALC, OC-ALC, WR-ALC, SA-ALC, OO-ALC, SDIO and B-1 Program Office. (3) Requirements Oversight is provided through a Technical Advisory Group (TAG), which is made up of technical experts from industry, government and academia, and through a series of Memoranda of Agreements (MOA) with interfacing programs.

c. Current Resources Used: Current resources used include: (1) MAC and MS-DOS Personal Computers, (2) Micro Workstations, (3) Multiplatform Servers, (4) Printers, and (5) Scanners.

4. Benefits: CALS will empower and facilitate improvements in business practices needed to meet the challenges of the 21st Century. As manpower and

operating budgets decline, users are demanding improved business processes to get their job done. Management faces these same pressures.

Anticipated benefits of IDS, based on test and analysis of case studies, include improved data quality and accuracy, reduced cost of information, effective and efficient data utilization, and greatly improved operational performance. These benefits will be realized by procuring data only once and providing real-time access and use of technical information to many users simultaneously.

5. Milestones: Because IDS is not a system, it has no MAISRC milestones. An equivalent schedule showing key Department of Defense milestones leading to full CALS implementation by the year 2010 is shown below. IDS is developing requirements to a) establish Air Force Infrastructure requirements for the current period, b) define integrated information requirements for the transition period (JCALS), and c) position the Air Force to take maximum advantage of CALS in the target period.

Current Period - Technology advances demand evolutionary enhancements in both automation and business processes      1992-1996      Approval Level is OSD

Transition Period - Movement to unified systems and standardized functional processes among the Services      1996-2000      Approval Level is OSD

Target Period - Movement to enormously rich and complex information resources represented by the Integrated Weapon System Data Base (IWSDB)      2000-2010  
Approval Level is OSD

6. Major Items of Interest:

a. Status: The Air Force IDS program was officially initiated in late 1992. Three individual memoranda of agreement/understanding (MOA/MOU) have been accomplished with key programs including the JCALS program (ARMY), RAMP program (Navy) and the F-22 SPO.

b. Contracts: Rockwell is the IDS prime contractor. However, the Air Force IDS program office has also implemented numerous small contracts for scientific, engineering, and technical assistance to support the IDS technology and methodology.

c. Changes to Resources: Resource change is due to constrained funding/execution depicted in DMRD 942.

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Fuels Automated Management System (FAMS)  
136 MATERIEL RESOURCES/MATERIEL MANAGEMENT

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Mr Leatherwood  
SSC/LGSFP  
200 E Moore Dr  
MAFB-Gunter Anx, AL 36114-3004  
DSN 596-3437

3. Scope:

a. Mission Supported: Fuels Automated Management System (FAMS) will provide continuous monitoring of fuel tank inventories, performance of base level fuels activities, facility planning, budgeting, energy conservation, wartime readiness planning, wartime sustainability and mobility planning. Effective management of fuels assets and rapid reporting of fuel transactions is critical to the reconciliation of the Air Force Fuels Stock Fund (AFFSF). Information from FAMS will be used for Air Staff budgeting, operational policies, quality control, facility and product service engineering, cataloging, and environmental protection. FAMS will provide the basis for aircraft flying hour validation, formulation and preparation of the annual Air Force fuel budget.

b. Functions Performed: FAMS has a three tiered structure: FAMS-A, FAMS-C and FAMS-B.

(1) FAMS-A (AF-wide) will support AF resources management information systems integrating inventory and financial records pertinent to AFFSF.

(2) FAMS-C (Command-Level) stratifies Combat Fuels Management System (CFMS) information for use by senior operational planners to provide capability assessment up through the Joint Reporting Structure, enhancing warfighting ability.

(3) FAMS-B (Base-Level), the source mechanism for the entire FAMS system, will capture data supporting Fuels Division and AFFSF budgetary process and provide vertical data transmission. FAMS supports the executive order on productivity through the use of Electronic Data Interchange (EDI) and Microcircuit Technology in Logistics Applications (MITLA). Sales and inventory data from Petroleum Resource Automated Management (PETROL RAM) resources feeds FAMS-B, which in turn is used as source data for FAMS-A and FAMS-C. There are three PETRO RAM projects. Automated Data Collection/Fuel Dispensing System (ADC/FDS) includes a non-contact identification system attached to aircraft and refueling equipment to capture service transaction data on flightlines. It will store transactions in a paperless EDI format. Automatic Tank Gauging (ATG) system includes various electro-mechanical systems used to continuously monitor fuel tank inventories. Automated Fuels Service Station (AFSS) will provide unmanned, electronic pump activation and transaction recording for fuel issues at military service stations.

c. Current Resources Used: FAMS-B is presently using IBM 386 compatible systems purchased from the Desktop III contract. There are currently 145 AFSS

fielded systems. FAMS-A is currently being developed on an IBM 3081 at Kelly AFB.

NOTE: For section V, para C of this exhibit, cost figures used are from the Program Acquisition Cost Estimate (PACE). There is no life cycle cost estimate (LCCE) associated with this program due to unidentified operation and support requirements.

4. Benefits: FAMS will automate the management and control of vital petroleum support operations. It provides total fuels asset visibility, improves cash flow, credit management, just in time inventory, and even more importantly, provides benefits associated with safety, environmental, and cost effectiveness. FAMS is a productivity program which will provide annual savings exceeding \$40 million. Total offset savings of \$144.2 million have been taken in the FY92 Future Year Defense Plan (FYDP). Based on savings in paper and labor intensive processes, 113 manpower positions have been identified. These manpower positions equate to a savings of \$3.8 million each year. As of FY93, 53 of the 113 have been eliminated. The remaining 60 are scheduled to be eliminated in the FY94-96 timeframe.

5. Milestones:

FAMS-A - Increment I:

SDR - Oct 92  
CDR - Feb 93  
IOC - Oct 93  
FOC - Sep 94

FAMS-A - Increment II:

SDR - Oct 92  
CDR - Mar 94  
IOC - May 95  
FOC - May 95

FAMS-A - Increment III:

SDR - Oct 92  
CDR - Oct 94  
IOC - Aug 95  
FOC - Aug 95

FAMS-C:

SDR - Mar 94  
CDR - TBD  
IOC - TBD  
FOC - TBD

ATG - CONUS:

RFP - Sep 92  
CA - Dec 93  
IOC - Feb 94  
FOC - Jun 96

FAMS-B - Increment I:

SDR - Oct 92  
CDR - May 93  
IOC - Sep 94  
FOC - Oct 94

FAMS-B - Increment II:

SDR - Jul 93

SSR - Sep 93  
CDR - Dec 93  
IOC - Mar 94  
FOC - Oct 94

**FAMS-B - Increment III:**

SDR - TBD  
CDR - TBD  
IOC - TBD  
FOC - TBD

**AFSS:**

RFP - May 93  
CA - May 93  
IOC - Feb 94  
FOC - Sep 95

**ADC:**

RFP - Apr 95  
CA - Jun 95  
IOC - Nov 95  
FOC - Apr 98

**6. Major Items of Interest:**

a. Status: SPO is working with HQ USAF/LGSSF to baseline schedules for an incremental implementation of FAMS. Civilian and military fill actions are complete at the FAMS PMO. HQ USAF/LGSSF has drafted an Operational Requirements Document (ORD) which is being coordinated at Air Staff. The initial program management plan has been completed. The program has achieved preliminary requirements definition; completed initial requirements review, system requirements review, and system design review; and has scheduled follow-on development reviews. The ATG contract for CONUS was awarded in Feb 93.

**b. Contracts:**

**FAMS-A - Harris Data Services**

Type: CPFF  
Involvement: SSC support contract task order for information engineer and Ada programmer.  
Status: Below cost, on schedule.

**FAMS-A - Maxima Corporation**

Type: CPFF  
Involvement: AFLC support contract task order for D022 maintenance programmers.  
Status: Below cost, on schedule.

**FAMS-B - Harris Data Services**

Type: CPFF  
Involvement: SSC support contract task order for information engineer, Ada programmer, configuration manager and technical writer.  
Status: Below cost, on schedule.

**FAMS-C - Harris Data Services**

Type: CPFF  
Involvement: SSC support contract task order for information engineer, Ada programmer, configuration manager and technical writer.  
Status: Below cost, on schedule.



PETROL RAM - TBD

AFSS - SYN-TECH Systems

Type: FFP

Involvement: Installing AFSS

Status: Completed on schedule.

ATG and ADC - TBD

c. Changes to Resources: Increases in funding cover the unfunded portion of the Automatic Tank Gauging System (ATGS) contract let at SA-ALV/SFF.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ 117.000 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ 78.700 (in millions of dollars)  
Current estimate - \$ 78.700 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars

Approved estimate - \$ 98.400 (in millions of dollars)  
Current estimate - \$ 98.400 (in millions of dollars)

Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ 9.120 (in millions of dollars)

(4) Cost to complete - \$ 107.900 (in millions of dollars)

**OTHER**

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DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Embedded Computer Resources Support Improvement Program (ESIP)  
FAG OTHER/SPECIFIC CIM EFFORTS

2. Responsible Organization: HQ AFMC  
Wright-Patterson AFB, OH 45433-5000  
Program Manager: Capt Lane Wilson  
HQ AFMC/ENIC  
Wright-Patterson AFB, OH 45433  
DSN 787-6753

3. Scope:

a. Mission Supported: ESIP is improving computer system support in response to the HQ AFLC, Statement of Operational Need, No. 01-80, Embedded Computer System Software Support, 12 Jan 81. The technical objective is to shift away from the present software support posture which is manpower intensive and promotes proliferation of weapon-system unique hardware and software and lacks responsiveness to operational requirements. The objective is to move to software support activities which are more responsive to the dynamic nature of weapon system performance requirements embodied in software. Significant enhancement is expected from this program. This program directly supports the Air Force major commands. Representatives from the major commands set task priorities in the steering group and are directly involved in approving and accepting projects.

b. Functions Performed: HQ USAF created a Program Management Directive to accomplish these objectives by assigning six tasks to improve specific areas of software support: 1) Automate the AFMC Software Control Centers by creating a standard automated system to stock, replicate and archive existing weapon system software; 2) Automate the Computer Program Identification Number system to facilitate configuration management of software and software media; 3) Create an Extendible Integration Support Environment (EISE) for software support, test, and system integration support for currently fielded and developing weapon systems; 4) Establish the Software Technology Support Center to serve as the focal point for Air Force-wide technical expertise and management support of computer system support tools, methods and environments; 5) In conjunction with the operating commands, identify targets of opportunity for improving the operational readiness of fielded systems from a software support point of view; and 6) Develop advanced software support concepts and software support systems based on the anticipated technologies of future systems. Demonstrate the concepts at the prototype level with appropriate documentation for application system acquisition procurement packages.

c. Current Resources Used: Each task has ordered equipment specific to its requirements to improve its portion of the Air Force software support process:

SCC: Each ALC and AGMC receive one Sun workstation network consisting of a SPARCstation II server and 6 IPXs with associated media reproduction peripherals.

ACPIN: Vax 6610 minicomputer, SPARCstation II workstation, Vax 3100 workstation and associated peripherals for ACPIN central site.

EISE: Network Bus Monitor.

STSC: Vax 6000, SPARCserver, 2 IPXs and associated peripherals for Electronic Customer Support.

All tasks have numerous associated peripherals such as: AT compatible computers, DDN and DSN connectivity, cables, printers, disk drives, media reproduction equipment, etc.

4. Benefits: ESIP is leading the way in improving our support of embedded computer software. Much of this effort previously had been ad-hoc, make-do solutions that have evolved over time into complex manpower-intensive processes. Software process improvement has demonstrated benefits of increased capability to meet increasing demands. By creating standard processes and automating those systems, such as the Software Control Centers and Computer Program Identification Number, we can reduce the cost of supporting existing weapon system software and decrease Air Force dependence on unique and/or unreliable manpower-intensive systems. Standard EISEs reduce our need for proprietary and very expensive support systems that are unique to every weapon system we acquire. Providing a base capability gives us an opportunity to reuse common tools and reduces development, support and maintenance costs dramatically. Software Technology Support Center and Readiness are locating the "bottlenecks" in the software support process and applying state-of-the-art tools and automation with technical expertise to solve problems permanently rather than treating the symptoms.

5. Milestones: N/A.

6. Major Items of Interest:

a. Status: To date, 79% of the 3080 Investment funds have been obligated.

SCC: Automation of the Software Control Centers is now progressing rapidly after a six month delay in contracting. Contract was let on 28 Aug 92 and the delivery schedule was revised to reflect the delays.

ACPIN: This task is also experiencing contracting related difficulties. The RFP for the computer system is attracting an unanticipated large number of bidders who are interested in the contract and the source selection process is causing delays.

EISE: The network bus monitor was successfully implemented in the support environment.

STSC: Procured a DEC VAX minicomputer and some Sun workstations for its electronic customer support project. This effort is on schedule.

b. Contracts: The tasks use different contractors to meet their particular requirements. The primary contractors are listed below.

SCC: SAIC

ACPIN: CDSI (contract was originally OAO, but was awarded to CDSI in July)

EISE: TRW

STSC: Digital Equipment

c. Changes to Resources: FY92 is the first year ESIP has received

regularly programmed 3080 funds. In the past it has received some AFLC fallout 3080 funds.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 27.700 (in millions of dollars)  
Current estimate - \$ 27.700 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(3) Sunk cost - \$ 10.400 (in millions of dollars)

(4) Cost to complete - \$ 17.300 (in millions of dollars)

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force Wargaming Center (AFWC) Air Force Command Exercise System (ACES)  
JWG OTHER, OTHER

2. Responsible Organization: Air University  
Maxwell AFB, AL 36112  
Program Manager: Col Patrick Collson, AUCADRE/WG  
Maxwell AFB, AL 36112  
DSN 493-6618

3. Scope:

a. Mission Supported: Provides for acquisition of a large-scale, multi-processing computer configuration located in a secure operating facility consistent with the objective of supporting combat readiness education for senior and general officers.

b. Functions Performed: Enables AFWC personnel to provide enhanced educational computer support to Air Force Professional Military Education (PME). Provides software development and hardware acquisition necessary for a joint wargaming capability for AU PME and other military services. Provides operational commanders access to computer-supported wargames capable of simulating wartime conditions using real-world data.

c. Current Resources Used: Two Cyber mainframes computers (962 model), one VAX 8650 minicomputer system, two Microvax computer systems, two Sun minicomputer systems (a 4/380 and a 670), 53 high performance work stations, 205 microcomputer systems and connecting local area networks.

4. Benefits: Provides PME students, joint PME, and military services with a capability to explore the alternatives of the war-fighting decision making process. Also, it can provide operational commanders a means to exercise their battle staffs using real-world data. Rather than gaming a "scenario" or script, ACES provides interactive wargaming. Provides the capability to educate senior commanders and staff on current threat scenarios, military capabilities, and consequences of response alternatives. Commanders benefit by the practice of wartime decision making under varying conditions of uncertainty. Staff officers gauge operations plan sensitivity to enemy actions.

5. Milestones: Operational maintenance and enhancements continue.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
Phase IV				

6. Major Items of Interest:

a. Status: Fully operational. AFWC now manages both in-house and contractor maintenance and development efforts. Revised program is on schedule.

b. Contracts:

Prime Contractor: TRW.

Involvement: Assigned development tasks.  
Type Obligations: Task Order Contract.  
Highlight Contract Performance: Satisfactory.

c. Changes to Resources: Not applicable.

d. Resources:

(1) Life-cycle cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 114.000 (in millions of dollars)  
Current estimate - \$ 114.000 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 93.050 (in millions of dollars)  
Current estimate - \$ 93.050 (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ 64.300 (in millions of dollars)  
Current estimate - \$ 64.300 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ 14.600 (in millions of dollars)  
Current estimate - \$ 14.600 (in millions of dollars)

(3) Sunk cost - \$ 79.600 (in millions of dollars)

(4) Cost to complete - \$ 54.800 (in millions of dollars)



DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
B-2 Computer Support  
TBK OTHER AUTOMATED INFORMATION SYSTEMS

2. Responsible Organization: Air Combat Command  
Langley AFB, VA 23665  
Program Manager: Maj Seager  
HQ ACC/DRY  
DSN 574-7533

3. Scope:

a. Mission Supported: The B-2 conducts strategic warfare in support of the Single Integrated Operational Plan (SIOP).

b. Functions Performed: B-2 Computer Support provides multi-media classified communications between Air Logistics Centers and HQ ACC, an electronic technical data system, and engineering data systems.

c. Current Resources Used: PC workstations, mini-computers and engineering workstations connected by LANs and WANs.

4. Benefits: These systems support troubleshooting, maintenance, and software specification documentation.

5. Milestones: The multi-media network system is being extended to Langley AFB, VA. The Improved Technical Data System is being installed at Tinker AFB, OK and Langley AFB, VA.

6. Major Items of Interest:

a. Status:

b. Contracts:

c. Changes to Resources:

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Command Post Upgrade  
TCC OTHER AUTOMATED INFORMATION SYSTEMS

2. Responsible Organization: Air Combat Command  
Langley AFB, VA 23665  
Program Manager: Capt Lawrence  
HQACC/SCM  
DSN 574-5517

3. Scope:

- a. Mission Supported: This system provides support to command post operations.

- b. Functions Performed: This Command Post Upgrade is modernizing the unsecure telephone, mobile radio interface and hot line operations for ACC Command Posts.

- c. Current Resources Used: Digital voice telephone switching systems.

4. Benefits: Improved telephone switching and capability to connect mobile radios to the telephone system.

5. Milestones: Seven of 23 bases complete.

6. Major Items of Interest:

- a. Status:

- b. Contracts:

- c. Changes to Resources:

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Air Force Corporate Data Dictionary (AFCDD)  
YAA OTHER/OTHER

2. Responsible Organization: HQ Air Force C4 Agency (AFC4A)  
Scott AFB, IL 62225-5200  
Program Manager: Mr Hopkins  
HQ AFC4A/XPSD  
203 W Losey St  
Scott AFB, IL 62225-5233  
DSN 576-5697

3. Scope:

a. Mission Supported: Air Force Corporate Data Dictionary (AFCDD) provides a modernized automated central repository of information about data (metadata) in support of the Air Force Data Management and Standards Program. AFCDD will evolve into a repository for information about metadata, records, files, systems, forms, reports, and other important entities, data models, logical database designs, etc. It will provide more information and more capability for managing data in a fully-distributed environment to support standard and MAJCOM-unique communications-computer systems, as well as, non-automated systems. AFCDD supports three communities as follows:

(1) Data administration community by improving the process of standardizing and coordinating data elements.

(2) Software development community by improving the process of identifying standard data elements.

(3) Air Force community-at-large by improving access to a repository of corporate metadata (e.g., standard "codes").

b. Functions Performed: AFCDD assists users in standardizing data element names in accordance with DoD Directive 8320.1-M-1. Assists data administrators in researching and coordinating standard data elements. Assists software developers in identifying standard data elements. Provides a repository for standard corporate metadata and provides user-friendly access by non-technical users. Supports a distributed data dictionary concept with a single central AFCDD at HQ AFC4A/XPSD. Supports the automatic electronic distribution of proposed changes, coordinations, and propagation of standards. Publish technical standards for Air Force data dictionary systems, to include required interfaces, interchange standards, and required metadata content.

c. Current Resources Used: The following is utilized in support of AFCDD:

(1) DEC 5000 and console with uninterrupted power supply (UPS) and 3 GB hard drive.

(2) Two AT&T 3B2-6Gs and console with UPS.

(3) Ten upgraded 386 microcomputers with 4 MB RAM and 40+ MB hard drives.

(4) 13 new 486 microcomputers with 8 MB RAM and 440+ MB hard

drives.

(5) Each microcomputer uses Microsoft Windows Office and Novell local area network (LAN) software.

4. Benefits: Clear, concise, and consistent data that will significantly improve accessing, sharing, and reconciling information between information systems. Simplification of data description and attribute standardization as a result of applying a data modeling methodology will speed data retrieval for the end-user and reduce the time it takes for functional managers to get reliable, accurate information with which to make decisions. Better integration of operations between functional areas which will provide increased decision making capability for managers. Enhanced reusability of data and software code through use of common standards, processes, and tools, resulting in reduced development cost and time for new information systems. Improved decision making processes through the use of quality data which will be readily available for planning and analysis. Transactions and information exchanges will be handled more quickly and accurately; information systems will be easier to use, resulting in more cost-effective operations and lower overhead costs.

5. Milestones:

6. Major Items of Interest:

a. Status:

b. Contracts: None.

c. Changes to Resources: No significant changes in resources.

DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Automated Data Processing (ADP) Operations Consolidation - Defense  
Management Report Decision (DMRD) 924  
181 OTHER/OTHER

2. Responsible Organization: Standard Systems Center (SSC)  
Maxwell AFB-Gunter Annex, AL 36114-3000  
Program Manager: Mr Galloway  
SSC/SSR  
401 E Moore Dr  
MAFB-  
Gunter Annex, AL 36114-3001  
DSN 596-3890

3. Scope:

a. Mission Supported: OSD directed a Defense Management Report Decision (DMRD) 924 study to examine the potential savings from consolidating and/or collocating automated data processing (ADP) operations and design activities. Air Force developed a plan, subsequently approved by OSD, which meets OSD objectives.

b. Functions Performed: Air Force consolidation plan encompasses four major areas, as follows:

(1) Standard Base Level Computer (SBLC): Provides hardware and supporting communications to implement base-level environment. This plan consolidates existing SBLC operations into five geographically located CONUS Regional Processing Centers (RPCS). This effort will eliminate 66 base level mainframe systems plus 111 comptroller and 101 ANG/AFRES computer systems. Also involved are 609 WANG systems currently supporting base civil engineering, services, and contracting. When completed, this initiative will reduce manpower, maintenance, utilities, and other support requirements. (2) MAJCOM Non-C2: Provides hardware and supporting software communications to implement the consolidation of classified and non-classified MAJCOM unique systems, residing on MAJCOM and World Wide Military Command and Control System (WWMCCS) host processors into a single RPC. The effort eliminates MAJCOM mainframes which became cost prohibitive to maintain. (3) Wholesale Logistics: Provides hardware to consolidate AFMC's wholesale logistics functions. This initiative will eliminate three processing facilities (i.e., Aerospace Maintenance and Regeneration Center; Aerospace Guidance and Meteorology Center; and Cataloging and Standardization Center, 36 mainframe processors, and associated manpower authorizations and support costs. (4) Scientific Processing: Provides hardware to implement AFMC's Scientific Computing Network. This network provides a consolidated, shared computer processing capability at 4 regional sites (3 with supercomputers).

c. Current Resources Used: Within the SBLC environment, smaller UNISYS mainframe computers are located at base level. The data processing workload is migrated from the base level to larger UNISYS mainframe computers at the five Regional Processing Centers and the smaller mainframes are excessed. A similar situation exists in the WANG environment of the SBLC. The Workload Information Management System (WIMS), Services Information Management System (SIMS), and Base Contracting Automated System (BCAS) are hosted at base level on small WANG "VS" series minicomputers that will migrate to the Regional Processing Centers onto minicomputers with UNIX operating systems.

4. **Benefits:** Full implementation of the Air Force's DMRD 924 plan will produce a net savings of over \$361 million of operations and maintenance funding and 793 manpower authorizations (which have already been removed from future AF budgets).

5. **Milestones:** Air Force's DMRD 924 program is a non-Major Automated Information Systems (MAIS) program.

	START	COMPLETE	APPROVAL LEVEL
	-----	-----	-----
SBLC	4FY91	2FY95	HQ USAF/SCXI
MAJCOM Non-C2	4FY91	2FY95	
WIMS SIMS BCAS	2FY93	4FY97	

6. **Major Items of Interest:**

a. **Status:** SBLC consolidation initiative is ahead of schedule with 39 of 66 bases hosted on five SBLC RPCs. WIMS, SIMS, and BCAS is in the planning and development stage and is currently unfunded. The MAJCOM Non-C2 initiative has eliminated seven mainframe systems, and currently provides processing support for 32 MAJCOM/SOA/FOA organizations on the non-C2 RPC. At completion, the non-C2 initiative will have eliminated 8 mainframe systems and provide classified and unclassified processing support to 42 MAJCOMs/SOAs/FOAs. The MAJCOM non-C2 initiative currently has three MAJCOMs receiving their processing from the non-C2 RPC. Source selection for the wholesale logistics continues. Additionally, two logistics Information Processing Centers (AMARC AND CSC) have been closed. The scientific initiative has completed its communications network upgrade. Installation and conversion of scientific systems at Wright-Patterson, Eglin, and Kirtland AFBs are currently in process.

b. **Contracts:**

INITIATIVE	CONTRACTOR	VEHICLE	TYPE
-----	-----	-----	-----
SBLC	UNISYS	Phase IV Follow-On Contract	FP
WIMS, SIMS, BCAS	PRC	Navy Super-Mini Contract	FP

c. **Changes to Resources:** No significant changes in resources.

d. **Resources:**

(1) **Life-cycle cost.**

Then year (Inflated) dollars

Approved estimate - \$	(in millions of dollars)
Current estimate - \$	(in millions of dollars)

Constant base year dollars

Approved estimate - \$	(in millions of dollars)
Current estimate - \$	(in millions of dollars)

(2) **Program cost.**

Then year (Inflated) dollars

-----  
Approved estimate - \$ 440.400 (in millions of dollars)  
Current estimate - \$ 440.400 (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

- (3) Sunk cost - \$ 116.300 (in millions of dollars)  
(4) Cost to complete - \$ 324.100 (in millions of dollars)

## **PROCUREMENT**



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DEPARTMENT OF THE AIR FORCE  
FY95 PRESIDENT'S BUDGET  
Narrative Statement

1. AIS Title, Number, and CIM Functional Area/CIM Functional Activity:  
Contracting Data Management System (CDMS)  
003 PROCUREMENT/CONTRACT ADMINISTRATION

2. Responsible Organization: 615 SMSQ/PKSB (Anthony Braswell)  
Wright-Patterson AFB, OH 45432-5000  
Program Manager: Douglas Keller MSC/sba  
Wright-Patterson AFB, OH 45433  
DSN 787-8300

3. Scope:

a. Mission Supported: CDMS provides required automation to AFMC's "acquisition" core logistics process from the time to determination of a valid requirement through delivery of the required material and closeout of the contract. CDMS provides acquisition automation support to approximately 12,000 system primary users in Contracting and Manufacturing, the Competition Advocate, and Product Directorates. In addition, the system provides support in specialized areas to secondary users in Distribution, the Small Business Office, Accounting and Finance, and others. The current systems supporting acquisition functions are up to 20 years old. CDMS supports the procurement and materiel management DBOF business area.

b. Functions Performed: The CDMS program streamlines the acquisition process. It serves the near-term need for automation of manual processes and replacement of antiquated systems within the Air Force Materiel Command and the longer-term need for standardized application modules for potential DoD-wide application under the Corporate Information Management (CIM) initiatives. Currnet efforts are focused on the PR/MIPR process which includes: modifying/enhancing and implementing an electronic interface with the requirements system; electronically preparing and coordinating the PR/MIPR to include funds commitment, technical data, quality assurance provisions, and packing, packaging, and transportation specifications; and electronically transmitting the approved PR/MIPR package to the responsible contracting activity. Several technical initiatives are in process to enhance the integrate previously existing applications into a viable interim acquisition system until the Procurement CIM solution is fielded within AFMC.

c. Current Resources Used: CDMS is co-hosted with the Stock Control and Distribution Systems and other related systems on the MVS 924 Amdahl Central Processing Units. A network of AT&T minicomputers provide office automation and data accessibility for acquisition related decision support requirements. The system uses the AFMC Local Area Network for intra-site communications and the Defense Commercial Telecommunications Network (DCTN) to provide inter-site communications. Program management staffing is 22 people.

4. Benefits: Benefits were validated for the full, baselined CDMS. These benefits are as follows: 1) Reduced acquisition lead time; 2) Increased capacity to handle work load surge; 3) Improved spare parts pricing; 4) Full MILSCAP/MODELS compatibility; 5) Reduced data input errors; 6) Immediate access to current acquisition management information at operational locations and improved accessibility to operational site data by HQ AFMC; 7) Improved analysis of acquisition processes through use of automated analysis tools; 8) Improves software maintenance productivity and quality through use of Computer Aided Software Engineering (CASE) technology; 9) Reduced requirements for clerical personnel due to the elimination of redundant data entry.

While AFMC anticipates achievement of these benefits with implementation of CIM directed programs, the specific benefits attributable to CDMS beyond the currently directed PR/MIPR processes are dependent on future CIM Council and Joint Logistics Systems Center (JLSC) direction and funding.

5. Milestones: The CDMS system successfully completed revalidation of MAISRC Milestone II in 1991. Subsequently, the system was removed from MAISRC oversight with the initiation of the Logistics Standard Information System (LSIS) concept and, subsequently, JLSC's oversight.

Milestone	Description	Approved Schedule	Current Estimate	Approval Level
0	Mission Analysis	82/07	82/07	MAISRC
I	Develop Concept	91/09	91/09	MAISRC
II	Definition/Design	TBD		
III	System Development	TBD		
IV	System Operational	TBD		

#### 6. Major Items of Interest:

a. Status: Application software is being modified/enhanced and implemented incrementally by organic development teams. Fielding of the first subsystem, the Potential Buy and Acquisition Method Code Screening Subsystem (J090A) began in April 1987 and was completed in 1990. Fielding of the second subsystem, the Purchase Request/Military Interdepartmental Purchase Request Subsystem (J090B) is projected for completion in FY94. A prototype of the J090B has been implemented at Hill AFB, UT.

b. Contracts: During FY93, contractor technical support for software development was provided by Integrated Microcomputer Systems (IMS) Inc. under a fixed price level-of-effort contract and by CENTECH Inc. under a fixed price task order. FY94 Contractors for technical support provides by IMD< NCI for software application, and MAXIMA for IV & V.

c. Changes to Resources: The "approved estimates" figures above are based on the MAISRC Milestone I funding baseline. The "current estimate" figures are based on a PEO-directed reduction in program scope (contract preparation functionality) which was discontinued based on the selection of the ITIMP system to deliver this functionality as a JLSC Near-Term Initiative. The "cost to complete" (difference between the current estimate and the sunk cost) is contingent on future Procurement CIM and JLSC taskings to participate further in the Procurement CIM development effort.

#### d. Resources:

##### (1) Life-cycle cost.

##### Then year (Inflated) dollars

Approved estimate - \$ 198.900 (in millions of dollars)  
Current estimate - \$ 198.900 (in millions of dollars)

##### Constant base year dollars

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

(2) Program cost.

Then year (Inflated) dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

Constant base year dollars  
-----

Approved estimate - \$ (in millions of dollars)  
Current estimate - \$ (in millions of dollars)

- (3) Sunk cost - \$ 64.025 (in millions of dollars)  
(4) Cost to complete - \$ 4.652 (in millions of dollars)

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**EXHIBIT 43D**  
**ADP REQUIREMENTS CONTRACTS**

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**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contracts**  
**FY 1995 President's Budget**  
**Exhibit 43D**

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**March 1994**

**Changes from the Air Force FY94 Presidential Budget 43D Submission:**

- 1. Deletions:**        **Scientific Engineering Workstation (SEWS) II**
- 2. Additions:**      **Defense Messaging System/GOSIP (DMS/GOSIP)**  
                         **Software I**  
                         **Navy Database, Lots 1, 2, and 3**  
                         **Navy Tactical Advanced Computer (TACC-4)**  
                         **DISA DEIS**

**NAVY DATA BASE MACHINE-LOT 1**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

1. Identification -- All participants:

a. Contract Name: Navy Database Machine (Lot 1)

b. Description of equipment: Backend database servers for government owned computers to include

relational database management systems compliant with FIPs 127-1. Connections too government owned

computers will be through GOSIP, TCP/IP, and high speed channel connectors. Also includes engineering

services, training, maintenance, and complete installation.

2. Contract Data (for contracts already awarded) -- All participants:

a. Contract Number: F19628-93-D-0018

b. Estimated Contract Obligations by appropriation (show estimated requirements).

(1) PROJECTED PURCHASES FUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	200	200	200	200	200	200
3740 O&M, AFR	0	30	20	20	20	20	0

(2) PROJECTED PURCHASES UNFUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	10	50	10	10	0	0	0
3400 O&M, AF	0	230	410	410	610	610	0
3600 RDT&E	0	80	80	80	0	0	0
3740 O&M, AFR	0	30	20	20	20	0	0

c. Units acquired/to be acquired by FY:

(1) PROJECTED UNITS FUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	5	5	5	5	5	5
3740 O&M, AFR	0	3	2	2	2	2	0

(2) PROJECTED UNITS UNFUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	3	1	1	0	0	0
3400 O&M, AF	0	101	126	201	201	301	301
3600 RDT&E	0	2	2	2	0	0	0
3740 O&M, AFR	0	3	2	2	2	0	0

3. Contract Data (for contracts already awarded) -- Lead Component only: The Department of the Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.

4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.

5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not Applicable.

**NAVY DATA BASE MACHINE-LOT 2**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Navy Database Machine (Lot 2)
- b. Description of equipment: Backend database servers for government owned computers to include relational database management systems compliant with FIPs 127-1. Connections too government owned computers will be through GOSIP, TCP/IP, and high speed channel connectors. Also includes engineering services, training, maintenance, and complete installation.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: F19628-93-D-0019
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	0	0	0	0	0
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	200	200	200	200	200	0

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	10	10	10	10	70	70	0
3400 O&M, AF	0	200	200	300	350	470	470
3600 RDT&E	0	80	80	80	0	0	0
3740 O&M, AFR	0	0	40	30	20	0	0

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	5	5	5	5	5	5

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	0	0	1	1	0
3400 O&M, AF	0	100	100	200	201	302	302
3600 RDT&E	0	2	2	2	0	0	0
3740 O&M, AFR	0	0	4	3	2	0	0

3. **Contract Data (for contracts already awarded) -- Lead Component only:** The Department of the Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.

4. **Contract Data (for contracts not yet awarded) -- All participants:** Not applicable.

5. **Solicitation data (for contracts not yet awarded) -- Lead Component only:** Not Applicable.

**NAVY DATA BASE MACHINE-LOT 3**



**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. **Contract Name:** Navy Database Machine (Lot 3)
- b. **Description of equipment:** Backend database servers for government owned computers to include relational database management systems compliant with FIPs 127-1. Connections too government owned computers will be through GOSIP, TCP/IP, and high speed channel connectors. Also includes engineering services, training, maintenance, and complete installation.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. **Contract Number:** F19628-93-D-0028
- b. **Estimated Contract Obligations by appropriation (show estimated requirements).**

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	200	200	200	200	200	0

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	10	10	10	10	0	0	0
3400 O&M, AF	0	200	200	400	400	600	600
3600 RDT&E	0	80	80	80	0	0	0
3740 O&M, AFR	0	0	0	40	40	30	20

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	5	5	5	5	5	5

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	1	1	1	0	0	0
3400 O&M, AF	0	100	100	300	300	400	400
3600 RDT&E	0	2	2	2	0	0	0
3740 O&M, AFR	0	0	0	40	40	30	20

3. Contract Data (for contracts already awarded) -- Lead Component only: The Department of the Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.

4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.

5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not Applicable.

**NAVY LAP HELD II**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. **Contract Name:** Lapheld II.
- b. **Description of equipment:** Provide notebook and lapheld computers capable of running two operating systems: an MS-DOS (or equivalent) operating system and an operating system compliant with the Portable Operating Systems Interface for Computer Environments (POSIX) FIPS 151.1. Contract includes peripherals, office applications software, and related services. This contract is a follow-on to the expired Lapheld Computer Requirements Contract.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. **Contract Number:** N66032-92-D-0002
- b. **Estimated Contract Obligations by appropriation (show estimated requirements).**

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	14	6	6	7	9	9	10
3400 O&M, AF	3,113	6,675	4,688	3,109	2,903	2,790	2,956
3600 RDT&E	450	543	441	192	155	155	156
3740 O&M, AFR	18	10	20	12	12	24	24
3840 O&M, ANG	3,250	3,256	2,838	2,970	2,910	3,132	2,304
4930 DBOF, AF	629	387	380	431	476	505	553

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	188	120	238	0	0	0	0
3400 O&M, AF	2,965	355	3,839	3,636	3,659	3,599	3,728
3600 RDT&E	428	208	239	163	163	163	132
3740 O&M, AFR	500	300	500	500	500	500	500
3840 O&M, ANG	250	0	0	0	0	0	0
4930 DBOF, AF	727	368	908	901	911	924	931

**c. Units acquired/to be cquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	6	3	3	3	3	4	3
3400 O&M, AF	1,635	1,884	1,134	408	444	4126	435
3600 RDT&E	164	245	51	54	40	41	42
3740 O&M, AFR	6	7	7	5	5	9	8
3840 O&M, ANG	945	817	270	270	270	270	270
4930 DBOF, AF	271	238	181	190	211	217	238

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	180	215	185	190	190	190	190
3400 O&M, AF	970	2,022	1,912	1,868	1,844	1,862	2,126
3600 RDT&E	126	123	82	51	51	51	41
3740 O&M, AFR	200	200	200	200	200	200	200
3840 O&M, ANG	83	0	0	0	0	0	0
4930 DBOF, AF	289	307	352	360	364	366	369

3. Contract Data (for contracts already awarded) -- Lead Component only: The Department of the Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.
4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.
5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not applicable.

**NAVY PC LAN**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Navy PC Local Area Network (PC-LAN)
- b. Description of equipment: Provides networking hardware and software, integration components, PC servers and peripherals, and basic software applications including electronic mail, calendar scheduling, and database products. Also provides services such as network design, installation surveys, and provides training documentation, training, and spare parts.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: F-19630-91-D-0001
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	9	566	221	181	166	163	163
3400 O&M, AF	1,697	1,117	1,041	760	761	589	592
3600 RDT&E	727	2,831	2,735	2,458	1,248	1,248	1,248
3740 O&M, AFR	0	10	0	0	0	0	0
4930 DBOF, AF	560	691	694	1,266	547	517	517

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	4,300	6,210	11,410	5,660	5,635	5,810	5,810
3400 O&M, AF	976	5,162	2,515	1,851	1,616	1,538	1,463
3600 RDT&E	239	541	501	220	209	205	204
4930 DBOF, AF	55	55	55	55	55	55	55

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	16	708	18	18	18	18	18
3400 O&M, AF	1,943	2,486	1,745	1,505	796	820	807
3600 RDT&E	342	176	166	231	254	281	306
3740 O&M, AFR	0	0	0	0	0	0	0
4930 DBOF, AF	616	588	588	563	563	550	550

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	6	16	175	125	105	240	240
3400 O&M, AF	246	373	4123	198	183	173	164
3600 RDT&E	3	162	62	10	2	2	2
4930 DBOF, AF	5	10	15	15	15	15	15

3. Contract Data (for contracts already awarded) -- Lead Component only: The Department of the Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.
4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.
5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not applicable.



**NAVY STANDARD DESKTOP COMPANION**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Standard Desktop Computer Companion Contract (SDCCC)
- b. Description of equipment: Contract provides a source for peripheral equipment, software, subsystems, hardware maintenance, and support software to augment systems already acquired by the Department of Defense under previous small computer requirements contracts.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: N66032-91-D-0002
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	6	102	102	102	102	2	2
3400 O&M, AF	3,703	6,219	4,243	4,007	2,938	2,982	2,959
3600 RDT&E	666	548	567	567	435	435	435
3740 O&M, AFR	35	40	40	40	15	18	18
3840 O&M, ANG	3,140	3,932	2,310	2,610	2,610	2,782	2,804
4930 DBOF, AF	1,057	881	919	935	968	968	1,118

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	880	2,355	1,290	1,360	1,470	0	0
3400 O&M, AF	3,046	4,577	3,122	3,031	3,101	3,202	3,342
3600 RDT&E	90	234	143	97	99	98	98
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, ANG	456	360	0	0	0	0	0
4930 DBOF, AF	2,833	333	338	345	356	373	388

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	30	30	30	30	0	0
3400 O&M, AF	1,784	7,946	4,850	3,603	3,076	2,873	2,340
3600 RDT&E	621	420	325	20	10	10	10
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, ANG	1,500	1,000	2,000	2,000	2,000	2,000	2,000
4930 DBOF, AF	80	80	80	80	80	80	80

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	3	3	3	3	0	0
3400 O&M, AF	2,026	5,889	2,691	2,107	2,002	2,002	2,002
3600 RDT&E	7	205	40	15	10	10	10
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, ANG	0	0	0	0	0	0	0
4930 DBOF, AF	75	75	75	75	75	75	75

3. Contract Data (for contracts already awarded) -- Lead Component only: The Department of Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.
4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.
5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not applicable.

**NAVY SUPER MINICOMPUTER**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Super-Minicomputer (Super-Mini)
- b. Description of equipment: Contract provides super-minicomputer systems capable of supporting up to 256 concurrent users. The super-minicomputer systems include network servers, networks, X-terminals, intelligent workstations, and other components. Also provides relational DBMS, office automation, and operating system software.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: F19630-93-D-0001
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	1,800	1,523	2,618	2,053	1,173	518	518
3400 O&M, AF	146	313	1,340	905	493	493	503
3600 RDT&E	794	1,204	4,148	618	618	618	618
3740 O&M, AFR	30	30	30	30	30	30	30
4930 DBOF, AF	614	2,614	4,614	4,614	4,614	4,614	4,614

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	23	5,040	8,911	6,764	6,753	6,766	6,742
3400 O&M, AF	633	980	5,334	5,234	5,170	5,470	3,470
3600 RDT&E	120	404	2,425	2,721	170	140	66
3740 O&M, AFR	60	60	60	60	60	60	60
4930 DBOF, AF	200	600	600	600	0	0	0

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	4	386	142	119	35	25	25
3400 O&M, AF	5	85	74	22	21	18	22
3600 RDT&E	36	93	124	4	4	4	4
3740 O&M, AFR	1	1	1	1	1	1	1
4930 DBOF, AF	9	9	9	9	9	9	9

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	9	55	28	30	32	35	31
3400 O&M, AF	11	181	223	155	155	167	67
3600 RDT&E	3	53	70	89	5	4	2
3740 O&M, AFR	0	2	2	2	2	2	2
4930 DBOF, AF	1	3	3	3	0	0	0

3. Contract Data (for contracts already awarded) -- Lead Component only: The Department of the Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.

4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.

5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not Applicable.

**NAVY TACTICAL ADVANCED COMPUTER 4**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Tactical Advanced Computer (TACC) - 4
- b. Description of equipment: Contract provides advanced computer workstations and servers.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: N66032-93-R-0011
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	5,000	5,000	0	0	0
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	75	0	0	0	0	0

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	50	37,500	37,500	7,500	7,500	7,500
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	25	50	50	0	0	0

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	200	200	0	0	0
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	3	0	0	0	0	0

**(3) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	2	1500	1500	300	300	300
3400 O&M, AF	0	0	0	0	0	0	0
3600 RDT&E	0	1	2	2	0	0	0



3. Contract Data (for contracts already awarded) -- Lead Component only: The Department of the Navy is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.
4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.
5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not Applicable.

**DISA DEFENSE ENTERPRISE & INTEGRATION SERVICES (DEIS)**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Deliver-Quantity Contract**  
**(in thousands of dollars)**

**1. Identification-- All participants:**

- a. Contract Name: Defense Enterprise Integration Services (DEIS)
- b. Description of equipment: Multiple Contracts for Federal Information Processing (FIP) technical support for integration services, systems engineering and related administrative services to migrate DoD to an open system environment. Contract are available DoD-wide.

**2. Contract Data--All PArticipants:**

a. Contract Number(s):

DCA100-94-D-0014 through DCA100-94-D-0019

b. Estimated Contract Obligations by Appropriation:

(1) PROJECTED PURCHASES FUNDED:

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	0	0	0	0	0	0

(2) PROJECTED PURCHASES UNFUNDED:

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	1,200	1,203	1,203	700	700	500

c. Units acquired/to be acquired by FY:

(1) PROJECTED UNITS FUNDED:

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	0	0	0	0	0	0

(2) PROJECTED UNITS UNFUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M, AF	0	25	25	25	10	10	10

**3. Contract Data (for contracts already awarded) -- Lead Component only: The Defense Information Systems Agency is the lead component on this contract. Department of the Air Force does not provide data for this part of the submission.**

**4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.**

**5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not applicable.**

**COMBAT AIR FORCES WORKSTATION**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Combat Air Forces Workstation (CAF-WS) [Formerly named the Tactical Air Forces Workstation (TAF-WS)]
- b. Description of equipment: CAF-WS provides a family of binary code compatible computer systems. The primary users of this contract are Air Force units with worldwide command and control requirements. The CAF-WS provides hardware, software, software support, maintenance, training, data, spare parts and on-site systems analyst/engineering support.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: F19630-91-D-0005
- b. Estimated Contract Obligations by appropriation (show estimated requirements)

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	368	383	371	205	205	190	185
3400 O&M, AF	1394	1585	1588	1589	1444	1405	1408
3600 RDT&E	307	446	346	666	666	666	666
4930 DBOF, AF	1,685	1,615	1,665	1,715	1,688	1,710	1,685

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	2,750	2,890	1,650	1,150	1,150	1,150	1,150
3400 O&M, AF	1,570	1,177	1,217	1,184	1,244	1,229	1,329
3600 RDT&E	292	256	234	204	204	204	204
4930 DBOF, AF	926	748	690	625	645	670	642

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	3	2	0	1	1	0
3400 O&M, AF	12	21	15	15	15	13	14
3600 RDT&E	15	16	16	36	36	36	36
4930 DBOF, AF	22	18	20	22	21	22	21

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	14	14	14	14	14	14
3400 O&M, AF	126	298	339	325	374	16	16
3600 RDT&E	15	13	11	9	9	9	9
4930 DBOF, AF	58	44	38	32	33	34	33

**3. Contract Data (for contracts already awarded) -- Lead Component only:**

a. Contract awarded to: Sun Microsystems, Inc.

b. Brand Name(s) and model number(s) of primary hardware and software:

Hardware:

Sun SPARCstation, SPARCserver, SPARCsystem in TEMPEST, non-TEMPEST, and ruggedized TEMPEST configurations.

Software:

System software: SUN Unix operating system

Graphical User Interface: Open Look and Motif Window Systems

Relational DBMS: ORACLE and Sybase

Graphics Software: GKS and PHIGS

Compilers: C, Fortran, Ada, Pascal and C++

c. Contract Award Date: 18 Jan 91

d. Contract Type: ID/IQ

e. Basic contract duration in years: One year

f. Contract renewal options: Three, one-year extensions for purchase; two, one-year extensions for maintenance.

g. Scope of the contract (including purpose): Non-mandatory for all users. Available primarily to the Air Force with limited use by other other DOD users. Provides systems, software, and peripherals for use in mission critical applications.

h. Estimated value of contract: \$80 Million

i. Minimum Obligation by FY: FY92 - FY99: \$0

**4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.**

**5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not applicable.**

**DESKTOP III**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Desktop III
- b. Description of equipment: Basic and advanced microprocessor-based personal work stations including peripherals, software, services, and maintenance.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: F01620-90-D-0001
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	242	0	0	0	0	0	0
3400 O&M, AF	5,467	0	0	0	0	0	0
3600 RDT&E	1,208	0	0	0	0	0	0
3740 O&M, AFR	140	0	0	0	0	0	0
3840 O&M, ANG	1,000	0	0	0	0	0	0
4930 DBOF, AF	7,999	0	0	0	0	0	0

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	0	0	0	0	0
3400 O&M, AF	5,525	0	0	0	0	0	0
3600 RDT&E	81	0	0	0	0	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, ANG	2,000	0	0	0	0	0	0
4930 DBOF, AF	1131	0	0	0	0	0	0

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	100	0	0	0	0	0	0
3400 O&M, AF	1,918	0	0	0	0	0	0
3600 RDT&E	504	0	0	0	0	0	0
3740 O&M, AFR	535	0	0	0	0	0	0
3840 O&M, ANG	495	0	0	0	0	0	0
4930 DBOF, AF	2,963	0	0	0	0	0	0



**(3) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	0	0	0	0	0
3400 O&M, AF	1,551	0	0	0	0	0	0
3600 RDT&E	29	0	0	0	0	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, ANG	0	0	0	0	0	0	0
4930 DBOF, AF	573	0	0	0	0	0	0

**3. Contract Data (for contracts already awarded) -- Lead Component only:**

**a. Contract awarded to: Unisys Corporation**

**b. Brand Name(s) and model number(s) of primary hardware and software:**

**Hardware:**

**Basic personal workstation, Unisys PW2 3206**

**Advanced personal workstation, Unisys PW2 3256**

**Software:**

**Microsoft Disk Operating System Ver. 5.0**

**UNIX System V/386 Ver. 3.2.2 (POSIX), XNX 386-OSW**

**MS-DOS BASIC Ver. 6.1., NKR BASIC**

**MS-DOS Ada Compiler Ver 4.2, AE TECH INTEGRAD**

**SCO LPI UNIX FORTRAN Ver 3.2, SCO LPI FORTRAN**

**SCO Telesoft UNIX Ada Compiler, SCO Ada**

**MS-DOS Integrated Applications Software, Microsoft Office**

**POSIX Integrated Applications Software, ENABLE/OA**

**c. Contract Award Date: 17 Nov 89**

**d. Contract Type: ID/IQ**

**e. Basic contract duration in years: Two years**

**f. Contract renewal options: Three one-year options for purchase, three additional one-year options for maintenance and parts.**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

1. Identification -- All participants:

a. Contract Name: Desktop IV

b. Description of equipment: Advanced microcomputers with associated peripherals, software, and services support.

2. Contract Data (for contracts already awarded) -- All participants:

a. Contract Number: F01620-92-D-0003

b. Estimated Contract Obligations by appropriation (show estimated requirements).

(1) PROJECTED PURCHASES FUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	9	3,865	40	44	48	54	58
3400 O&M, AF	44,592	65,615	49,034	44,943	41,774	38,855	0
3600 RDT&E	7,557	18,148	8,419	6,819	5,904	4,054	0
3740 O&M, AFR	4,620	5,480	10,086	5,091	4,620	4,620	0
3840 O&M, ANG	5,560	7,768	13,204	8,210	7,410	7,382	0
4930 DBOF, AF	4,406	6,109	11,541	6,521	6,543	6,577	0

(2) PROJECTED PURCHASES UNFUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	6,290	7,110	7,710	8,810	10,350	10,570	11,164
3400 O&M, AF	25,240	61,960	60,290	61,012	57,784	53,280	51,856
3600 RDT&E	641	1,489	1,399	1,341	737	691	1,338
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, AG	0	0	0	0	0	0	0
4930 DBOF, AF	8,585	14,415	14,398	12,410	13,315	14,205	14,398

c. Units acquired/to be acquired by FY:

(1) PROJECTED UNITS FUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	2	1,106	12	13	15	16	0
3400 O&M, AF	12,940	13,879	12,409	12,020	9,684	7,476	0
3600 RDT&E	2,212	3,291	2,675	1,751	1,241	1,513	0
3740 O&M, AFR	1,320	1,540	1,540	1,540	1,320	1,320	0
3840 O&M, AG	2,300	2,300	2,300	2,300	2,300	2,300	0
4930 DBOF, AF	1,966	2,824	2,857	2,739	2,639	2,432	0

**DESKTOP IV**

(2) PROJECTED UNITS UNFUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	440	890	810	810	860	901	0
3400 O&M, AF	6,082	15,097	18,495	17,970	17,116	15,603	0
3600 RDT&E	121	424	437	413	206	188	0
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, AG	0	0	0	0	0	0	0
4930 DBOF, AF	2,518	5,436	5,278	4,734	5,014	5,332	0

3. Contract Data (for contracts already awarded) -- Lead Component only:

a. Contract awarded to: Zenith Data Systems (ZDS) and Government Technology Services, Inc (GTSI)

b. Brand Name(s) and model number(s) of primary hardware and software:

Hardware: Basic workstation: ZDS 486SX/25; GTSI 386SX

Advanced workstation: ZDS 486DX/33; GTSI 486DX

Development workstation: ZDS 486DX/33; GTSI 486DX

Software: Microsoft Disk Operating System, Ver. 6.0

Interactive Unix

MS Windows 3.1

Microsoft Office

MS Word

MS Excel

MS Powerpoint

Development Workstation

POSIX Integrated Application, Enable

Ada and C compilers

c. Contract Award Date: 2 Feb 93

d. Contract Type: ID/IQ

e. Basic contract duration in years: One year

f. Contract renewal options: Two one-year options for purchase, two additional one-year options for maintenance and parts.

g. Scope of the contract (including purpose): Non-mandatory for all participants. DOD agencies may, but are not required to, order systems, peripherals, support, software, services, or spare parts under this contract to meet their needs.

h. Estimated value of contract: \$724M

i. Minimum Obligation by FY:

<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
9,500	0	0	0	0	0	0

4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.

5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not Applicable.

**DEFENSE MESSAGING SYSTEM (DMIS/GOSIP)**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery - Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. **Contract Name:** Defense Message System/GOSIP Acquisition Contract.
- b. **Description of Equipment:** Hardware requirements include hardware platforms to support the DMS-GOSIP infrastructure applications and Personal Computer Memory Card International Association (PCMCIA) peripheral devices to support security. The hardware will be installed in locations with differing power requirements (e.g., 110-120 VAC/50-60 Hz and 220-240 VAC/50 Hz), power connections, and communications regulations which shall be satisfied by the Contractor on all CLIN 004 hardware products. For some locations (e.g., United Kingdom, Germany, Italy) the Contractor shall provide commercial power adapters/cables for connection of all Contractor-provided equipment to foreign power sources. The DMS-GOSIP infrastructure platform shall include all necessary hardware and POSIX-compliant software to enter, manipulate, process, view, store, retrieve and print the information required to support the DMS-GOSIP infrastructure products (MTA, DSA, MFG, MLA, and MWS). The hardware products should be plug-to-plug compatible (with similar products from alternate sources, preferably standard Government hardware contracts); be equipped with devices to prevent unauthorized access and have controlled user access (via software or hardware); and have the maximum availability practical.

2. **Contract Data (for contracts already awarded)--all participants:** Not applicable--contract not yet awarded.

3. **Contract Data (for contracts already awarded)--Lead Component only:** Not applicable--contract not yet awarded.

4. **Contract Data (for contracts not yet awarded)--all participants:**

a. **Contract Number:** Not applicable, contract not yet awarded

b. **Estimated Contract Obligations by appropriation**

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	14,347	13,300	13,300	13,318	13,294

**(3) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	1,434	1,250	240	240	246

c. Units acquired/to be acquired by FY:

(1) PROJECTED UNITS FUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	43,468	40,078	40,078	40,078	40,078

(2) PROJECTED UNITS UNFUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	0	4,780	4,166	800	800	820

5. Solicitation data (for contracts not yet awarded)-- Lead Component only:

- a. Is acquisition exempt from the Brooks Bill under the Warner Amendment? No.
- b. If applicable, date and GSA care number of Delegation of Procurement Authority from GSA: Not applicable.
- c. Estimated date of contract award: 1st Quarter, FY95.
- d. Scope of the proposed contract: This contract is a Firm Fixed-Price (FFP), Indefinite Delivery, Indefinite Quantity(ID/IQ) contract with a cost reimbursable element, providing writer-to-reader command-and-control and other messaging products and services to be used primarily by the DOD and by other Federal Government organizations with messaging requirements. The Defense Message System(DMS) - Government Open System Interconnection Profile(GOSIP) will also provide an interface to other U.S. Government, allied, Defense contractor, and authorized users. The critical message requirement for command and control intelligence, and cryptologic activities a Nunn-Warner exemption from the Brooks Act for DOD purchase. Other Federal Government requirements will be satisfied through approved General Services Administration(GSA) procedures. This contract will provide technology refreshment through addition, substitutions, upgrades, and updates as technology, standards, and procedures evolve.
- e. Estimated quantities of hardware, software, or services to be acquired: Estimated contract value is \$12 Bil.
- f. If the acquisition strategy for this contract involves or involved less than full and open competition, list the acquisition strategy and give rational and justification for the strategy: the contract strategy is full and open competition.
- g. Justification for this contract. ASD Ltr., dated 2 Sep 93, SUBJECT: Defense Message System (DMS) X.400 Central Project DMS GOSIP Acquisition.

**INTEGRATED COMPUTER AIDED SOFTWARE ENGINEERING**



**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. **Contract Name:** Integrated Computer-Aided Software Engineering (I-CASE)
- b. **Description of equipment:** This contract will provide commercial off-the-shelf life-cycle software development tools to support open systems software development. The contract includes hardware, software, training, and support services.

**2. Contract Data (for contracts already awarded) -- All participants:**

Not applicable -- Contract not yet awarded.

**3. Contract Data (for contracts already awarded) -- Lead Component only:**

Not applicable -- Contract not yet awarded.

**4. Contract Data (for contracts not yet awarded) -- All participants:**

- a. **Contract Number:** F01620-91-R-A254
- b. **Estimated Contract Obligations by Appropriation:**

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	12	12	12	12	12	12
3400 O&M	0	2,300	11,876	2,319	2,325	2,339	2,337
3600 RDT&E	0	242	272	415	145	151	162
3740 O&M, AFR	0	35	35	35	35	35	35
4930 DBOF, AF	0	123	123	123	123	123	123

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	890	990	525	525	525	625
3400 O&M	0	266	640	1,465	866	791	966
3600 RDT&E	0	12	30	0	0	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
4930 DBOF, AF	0	1,010	1,010	1,010	1,010	1,010	1,010

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	3	3	3	3	3	3
3400 O&M	0	23	26	21	21	24	22
3600 RDT&E	0	33	38	63	13	13	13
3740 O&M, AFR	0	3	3	3	3	3	3
4930 DBOF, AF	0	28	28	28	28	28	28

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	14	15	22	22	22	23
3400 O&M	0	51	53	60	60	69	70
3600 RDT&E	0	2	5	0	0	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
4930 DBOF, AF	0	0	0	0	0	0	0

**5. Solicitation data (for contracts not yet awarded) -- Lead Component only:**

a. Is acquisition exempt from the Brooks Bill under the Warner Amendment?

No.

b. Date and GSA case number of Delegation of Procurement Authority from  
GSA: 19 Aug 92; KMA-92-056.

c. Estimated date of contract award: 3rd Quarter FY94

d. Scope of the proposed contract: I-CASE is an IDIQ contract and is non-mandatory for all participants.

The contract is available to the DoD and federal agencies.

e. Estimated quantities of hardware, software, or services to be acquired: Contract value for hardware, software, and services will be in excess of \$250 million.

f. Contract Acquisition Policy: Full and Open Competition.

g. Justification for this contract: See attached Final Acquisition

Approval for Integrated Computer-Aided Software Engineering (I-CASE), date 28 Aug 1992.

**SOFTWARE I**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

1. Identification -- All participants:
  - a. Contract Name: Software I (SW I)
  - b. Description of equipment: This contract will provide office automation software for both existing and future desktop personal computers. The contract will provide wordprocessing, spread sheets, database management systems, electronic forms, publishing, utilities, etc.
2. Contract Data (for contracts already awarded) -- All participants: Not applicable -- Contract not yet awarded.
3. Contract Data (for contracts already awarded) -- Lead Component only: Not applicable -- Contract not yet awarded.
4. Contract Data (for contracts not yet awarded) -- All participants:
  - a. Contract Number: Not yet assigned.
  - b. Estimated Contract Obligations by Appropriation:

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M	0	40	400	400	400	0	0
3600 RDT&E	0	20	250	275	300	0	0
3740 O&M, AFR	0	50	55	55	60	0	0
4930 DBOF, AF	0	37	59,037	59,037	59,037	0	0

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M	0	26	41,686	41,778	41,778	0	0
3600 RDT&E	0	20	40	50	50	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
4930 DBOF, AF	0	5	5	5	5	0	0

- c. Units acquired/to be acquired by FY:

**(1) PROJECTED UNITS FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M	0	32	1,032	1,032	1,032	0	0
3600 RDT&E	0	40	620	640	660	0	0
3740 O&M, AFR	0	20	200	200	200	0	0
4930 DBOF, AF	0	75	118,075	118,075	118,075	0	0

**(2) PROJECTED UNITS UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3400 O&M	0	46	82,577	82,484	82,584	0	0
3600 RDT&E	0	20	400	500	500	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
4930 DBOF, AF	0	20	20	20	20	0	0

**5. Solicitation data (for contracts not yet awarded) -- Lead Component only:**

- a. Is acquisition exempt from the Brooks Bill under the Warner Amendment? No.
- b. Date and GSA case number of Delegation of Procurement Authority from GSA: DPA not yet received.
- c. Estimated date of contract award: 3rd Quarter FY94
- d. Scope of the proposed contract: Non-mandatory for all participants.
- e. Estimated quantities of hardware, software, or services to be acquired: Software procurements are expected to be in excess of \$250 million.
- f. Contract Acquisition Policy: Full and Open Competition.
- g. Justification for this contract: The Software I contract is designed to provide software in support of the various desktop personal computers used in the Air Force and other DoD agencies. It is the follow-on contract to the Standard Software Requirements Contract which supported the Zenith computer systems procured through earlier contracts. The Software I contract will support the new generation of personal computers being procured within the Air Force and other DoD agencies.

**STANDARD MULTI-USER SMALL COMPUTER REQUIREMENTS CONTRACT**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Standard Multiuser Small Computer Requirements Contract (SMSCRC).
- b. Description of equipment: A family of standard multiuser TEMPEST and NON-TEMPEST computers, peripherals, and software that will support up to 64 concurrent users in incrementally expandable configurations that are upward compatible. Systems include both floppy and hard disk storage, as well as, tape cartridge backup capability. Software includes the operating systems and utilities, office automation, word processing, relational DBMS, graphics, communications, and compilers.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: F19630-88-D-0005.
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	5,202	4,675	674	825	0	0	0
3400 O&M, AF	4,392	4,695	4,887	1,735	0	0	0
3600 RDT&E	30	731	35	330	0	0	0
3740 O&M, AFR	350	87	87	80	0	0	0
3840 O&M, ANG	1,560	1,506	1,698	1,830	0	0	0
4930 DBOF, AF	1,361	1,256	1,320	1,102	0	0	0

**(2) PROJECTED PURCHASES UNFUNDED**

3080 PROCURE	400	415	110	37	0	0	0
3400 O&M, AF	3,045	3,710	3,710	268	0	0	0
3600 RDT&E	132	130	100	0	0	0	0
3740 O&M, AFR	0	0	0	7	0	0	0
3840 O&M, ANG	0	0	0	0	0	0	0
4930 DBOF, AF	1,684	1,539	1,318	1,243	0	0	0

**c. Units acquired/to be acquired by FY:**

**(1) PROJECTED UNITS FUNDED**

3080 PROCURE	0	37	36	37	0	0	0
3400 O&M, AF	1,178	1,285	1,284	268	0	0	0
3600 RDT&E	3	203	6	6	0	0	0
3740 O&M, AFR	175	7	7	11	0	0	0
3840 O&M, ANG	0	0	0	0	0	0	0
4930 DBOF, AF	135	166	174	6	0	0	0

## (2) PROJECTED UNITS UNFUNDED

3080 PROCURE	11	69	65	68	0	0	0
3400 O&M, AF	586	225	216	183	0	0	0
3600 RDT&E	0	25	16	2	0	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, ANG	0	0	0	0	0	0	0
4930 DBOF, AF	175	200	205	198	0	0	0

### 3. Contract Data (for contracts already awarded) -- Lead Component only:

- a. Contract awarded to: AT&T Technologies, Inc.
- b. Brand Name(s) and model number(s) of primary hardware and software:
  - Hardware: AT&T 3B2/600G/600GR (TEMPEST and NON-TEMPEST)
  - Workstation: Color Graphics (386/486 Workstations)
  - Printers: Laser and Impact
  - Communication: STU-III Modem and Multi-Network Processor
  - Software:
    - Operating System: Unix System V Rel. 3.2 and 4.0
    - Relational DBMS: Unify, ORACLE, and Informix
    - Compilers: COBOL, C, Ada, FORTRAN, Pascal, and Basic
    - Office Automation: PRELUDE
    - Communications: GOSIP Wide Area Network, NFS, DDN Compression Source Code, Networking TTY Interface
- c. Contract Award Date: 28 Oct 88.
- d. Contract Type: Requirement for processors. ID/IQ for other components.
- e. Basic contract duration in years: Two years
- f. Contract renewal options: Three (3) one-year options for purchase, plus three (3) additional one-year options for software, maintenance, support, and spare parts.
- g. Scope of contract (including purpose): Mandatory for the Air Force, DISA, and DLA for requirements which this contract meets for multiuser computer systems supporting 2-64 concurrent users. Non-mandatory for the Army, Navy, Coast Guard, and federal civilian agencies.
- h. Estimated value of contract: \$1,074,597,000.
- i. Minimum Obligation by FY: Minimum obligation was met in first year of contract. Minimum order for FY92 - FY99: \$0.

### 4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.

### 5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not applicable.



**STANDARD SOFTWARE REQUIREMENTS CONTRACT I**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. Contract Name: Standard Software Requirements Contract (SSRC) I.
- b. Description of equipment: Provides software upgrades and support services for software acquired under previous Air Force requirements contracts for microcomputers.

**2. Contract Data (for contracts already awarded) -- All participants:**

- a. Contract Number: F01620-91-D-0001
- b. Estimated Contract Obligations by appropriation (show estimated requirements).

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	6	102	102	0	0	0	0
3400 O&M, AF	3,703	5,219	4,243	0	0	0	0
3600 RDT&E	666	548	567	0	0	0	0
3740 O&M, AFR	35	40	40	0	0	0	0
3840 O&M, ANG	3,140	2,932	2,310	0	0	0	0
4930 DBOF, AF	2,989	881	919	0	0	0	0

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	880	1355	1290	0	0	0	0
3400 O&M, AF	3,046	5,439	5,117	0	0	0	0
3600 RDT&E	90	234	143	0	0	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
3840 O&M, ANG	456	360	0	0	0	0	0
4930 DBOF, AF	2,832	333	338	0	0	0	0

- c. Units acquired/to be acquired by FY: No systems will be available under this contract.  
Only software upgrades and service.

**3. Contract Data (for contracts already awarded) -- Lead Component only:**

- a. Contract awarded to: Zenith Data Systems
- b. Brand Name(s) and model number(s) of primary hardware and software:  
Hardware: None  
Software: Wordstar, Multimate, Enable, Supercalc, DBase, Timeline
- c. Contract Award Date: 30 Nov 90
- d. Contract Type: Requirements
- e. Basic contract duration in years: One year
- f. Contract renewal options: Two optional one-year extensions
- g. Scope of the contract (including purpose): Mandatory for the Air Force. Non-mandatory for the Navy, Army, and DLA. Provides software and software upgrades for use in previously procured microcomputer systems.

- h. Estimated value of contract: \$25.7 Million**
- i. Minimum Obligation by FY: FY92 - FY99: \$0**

- 4. Contract Data (for contracts not yet awarded) -- All participants: Not applicable.**
- 5. Solicitation data (for contracts not yet awarded) -- Lead Component only: Not applicable.**

**UNIFIED LOCAL AREA NETWORK ARCHITECTURE (ULANA II)**

**DEPARTMENT OF THE AIR FORCE**  
**ADP Requirements/Indefinite Delivery-Quantity Contract**  
(in thousands of dollars)

**1. Identification -- All participants:**

- a. **Contract Name:** Unified Local Area Network (ULANA) II
- b. **Description of equipment:** This contract will provide local area network (LAN) hardware and software components. These components will permit interconnectivity and interoperability between mainframe computers, minicomputers, workstations, and terminals from different vendors by using standard protocols. Network operating and management systems will be acquired to allow efficient management and control of ULANA-II based networks.

**2. Contract Data (for contracts already awarded) -- All participants: Not applicable -- Contract not yet awarded.**

**3. Contract Data (for contracts already awarded) -- Lead Component only: Not applicable -- Contract not yet awarded.**

**4. Contract Data (for contracts not yet awarded) -- All participants:**

- a. **Contract Number:** F34608-92-R-0004
- b. **Estimated Contract Obligations by Appropriation:**

**(1) PROJECTED PURCHASES FUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	4,349	5,053	782	550	514	2,424
3400 O&M	0	214	3,915	4,023	4,035	4,065	4,080
3600 RDT&E	0	678	850	868	665	710	765
3740 O&M, AFR	0	30	30	30	30	30	30
4930 DBOF, AF	0	120	1,880	1,930	2,090	2,140	2,190

**(2) PROJECTED PURCHASES UNFUNDED**

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	4,280	24,457	21,860	11,060	11,435	11,700
3400 O&M	0	837	5,514	4,491	3,698	4,203	8,351
3600 RDT&E	0	220	235	125	110	35	55
3740 O&M, AFR	0	0	0	0	0	0	0
4930 DBOF, AF	0	630	3,204	3,144	3,194	2,859	2,909

c. Units acquired/to be acquired by FY:

(1) PROJECTED UNITS FUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	766	835	646	550	514	2,424
3400 O&M	0	2,214	2,915	3,023	3,035	3,065	3,080
3600 RDT&E	0	610	784	710	610	660	710
3740 O&M, AFR	0	30	30	30	30	30	30
4930 DBOF, AF	0	1,720	1,963	2,117	2,117	2,167	2,217

(2) PROJECTED UNITS UNFUNDED

	<u>FY93</u>	<u>FY94</u>	<u>FY95</u>	<u>FY96</u>	<u>FY97</u>	<u>FY98</u>	<u>FY99</u>
3080 PROCURE	0	39	10,318	10,286	279	394	412
3400 O&M	0	2,269	2,686	2,143	2,631	2,132	2,461
3600 RDT&E	0	50	46	30	3	0	0
3740 O&M, AFR	0	0	0	0	0	0	0
4930 DBOF, AF	0	0	0	0	0	0	0

5. Solicitation data (for contracts not yet awarded) -- Lead Component only:

- a. Is acquisition exempt from the Brooks Bill under the Warner Amendment? No.
- b. Date and GSA case number of Delegation of Procurement Authority from GSA:  
KMA-93-0251, 26 May 93.
- c. Estimated date of contract award: 2nd Quarter FY94
- d. Scope of the proposed contract: Non-mandatory for all participants. DoD agencies may, but are not required to, order hardware/software components and/or system design/installation/support services.
- e. Estimated quantities of hardware, software, or services to be acquired: Hardware, software, and service procurements are expected to be in excess of \$500 million.
- f. Contract Acquisition Policy: Full and Open Competition.
- g. Justification for this contract: 4 Sep 92, HQ USAF/SCMB message.

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**END OF AIR FORCE**

**43D EXHIBIT**

**EXHIBIT 43E**  
**CENTRAL DESIGN ACTIVITY**



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**DEPARTMENT OF THE AIR FORCE  
INFORMATION TECHNOLOGY PROGRAM  
FY 1995 PRESIDENT'S BUDGET  
(Dollars in Thousands)**

**CENTRAL DESIGN ACTIVITY  
(Overall Summary)**

	FY 1993	FY 1994	FY 1995
Standard Systems Center (SSC) Gunter AFB, AL	195506	195861	192413
Communications Systems Center (CSC) Tinker AFB, OK	43343	20150	15308
HQ AF Military Personnel Center (AFMPC) Randolph AFB, TX	43447	16946	13115
HQ AF Materiel Command (AFMC) Wright-Patterson AFB, OH	47244	52721	39448
HQ Air Intelligence Agency (AIA) Kelly AFB, TX	19740	17726	14521
HQ United States Air Forces In Europe Ramstein AB, GE	2033	1975	2142
HQ Air Education & Training Command Randolph AFB, TX	6078	5733	5972
<b>TOTAL OBLIGATIONS OF CDA'S</b>	<b>357391</b>	<b>311112</b>	<b>282919</b>

**Changes from prior year submission:**

**HQ AF Intelligence Command (AFIC) renamed as:**

**HQ Air Intelligence Agency (AIA)**

**CENTRAL DESIGN ACTIVITY**  
**HEADQUARTERS STANDARD SYSTEMS CENTER**

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**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION:** Standard Systems Center, MAFB-Gunter Annex, AI

**In DBOF Business Area:** No

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	Subtotal	139676	130998	122330
<b>2. Commercial Contract Cost (\$000)</b>				
	Subtotal	55809	64852	70051
<b>3. Other Cost (\$000)</b>				
	Subtotal	21	11	32
<b>TOTAL CDA COST:</b>		<b>195506</b>	<b>195861</b>	<b>192413</b>

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		15602	15055	16400
<b>B. Workyears:</b>				
	In-House Civilian	364.00	364.00	364.00
<b>TOTAL WORKYEARS</b>		<b>364.00</b>	<b>364.00</b>	<b>364.00</b>
<b>C. Customers Supported:</b>				
	DBOF			
	Non-DBOF	195506	195861	192413

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard Systems Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Core Automated Maintenance System, 017

**Life Cycle Management Phase:** Design/Development

**Warner Exempt:** No

**CIM Functional Area:** Other/Other

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>			
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	2542	2460	2667
(1) General Management			
(2) Other	2542	2460	2667
<b>B. Workyears</b>	46	46	46
(1) General Management			
(2) Other	46	46	46
<b>C. Travel (\$000)</b>	157	220	207
<b>SubTotal</b>	2699	2680	2874
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	30	18	16
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	12	14	12
(4) Other	18	4	4
<b>SubTotal</b>	30	18	16

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	3	0	0
(1) Hardware	3		
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities			
G. Studies and Other:	691	975	1016
(1) Studies	691	975	1016
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology	0	0	0
<b>SubTotal</b>	<b>694</b>	<b>975</b>	<b>1016</b>
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>3423</b>	<b>3673</b>	<b>3906</b>
<b>Workyears</b>	<b>46</b>	<b>46</b>	<b>46</b>
<b>Appropriation/Fund</b>			
3400	3423	3673	3906



## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

The Core Automated Maintenance System (CAMS) is the primary Air Force Standard base-level automated maintenance management information system. CAMS supports all base-level aircraft, ground-launched cruise missiles, engines, trainers, support equipment, missiles, munitions, and communications-electronics maintenance. CAMS supports 109 main operating locations as well as Air Force Reserve, Air National Guard sites, Royal Netherlands Air Force, and the NATO Airborne Warning and Control aircraft units. In October 1991, the CAMS Program Office merged with the Reliability and Maintainability Information System Program Office.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard Systems Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Combat Ammunition System, 019

**Life Cycle Management Phase:** Development/Production

**CIM Functional Area:** Materiel/Materiel Management

**Warner Exempt:** No

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	0	6684	0
<b>B. Purchase of Software:</b>	2611	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000	2611		
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>	0	0	0
<b>SubTotal</b>	<b>2611</b>	<b>6684</b>	<b>0</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	2808	2698	2959
(1) General Management			
(2) Other	2808	2698	2959
<b>B. Workyears</b>	66	66	66
(1) General Management			
(2) Other	66	66	66
<b>C. Travel (\$000)</b>	501	996	685
<b>SubTotal</b>	<b>3309</b>	<b>3694</b>	<b>3644</b>
<b>3. Equipment Rental, Space, and Other     Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>	150	150	150
<b>D. Supplies and Other:</b>	44	146	121
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	33	135	110
(4) Other	11	11	11
<b>SubTotal</b>	<b>194</b>	<b>296</b>	<b>271</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	2407	1183	65
(1) Hardware	2407	1183	65
(2) Software	0	0	0
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities			
<b>G. Studies and Other:</b>	8289	9439	13234
(1) Studies			
(2) Commercial Training			
(3) Other	8289	9439	13234
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	10696	10622	13299
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>7. Other Services</b>			
<b>A. Payments</b>	1	7	7
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	1	7	7
<b>Total Obligations</b>	16811	21303	17221
<b>Workyears</b>	66	66	66
<b>Appropriation/Fund</b>			
3080	2611	6684	
3400	14200	14619	17221

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**CAS is a four tier system under the Integrated Weapons System Management (IWSM) approach.**

**Ammunition Control Point (ACP) (CAS-A)**

**Command (CAS-C)**

**Base (CAS-B)**

**Deployable CAS**

**CAS provides automated support for both conventional and nuclear assets. Included are a variety of stockpile management and decision support tools for maintenance and inventory control functions. Interfaces are with the Air Logistics Readiness Center, Defense Standard Ammunitions Computer Systems, Major Commands, and base level.**

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard Systems Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Air Force Command & Control System (AFC2S), 020

**Life Cycle Management Phase:** Design/Development

**Warner Exempt:** Yes

**CIM Functional Area:** Command and Control/C2 Support System

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	875	0	12623
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>875</b>	<b>0</b>	<b>12623</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	2542	2460	2667
(1) General Management			
(2) Other	2542	2460	2667
<b>B. Workyears</b>	59	59	59
(1) General Management			
(2) Other	59	59	59
<b>C. Travel (\$000)</b>	133	280	280
<b>SubTotal</b>	<b>2675</b>	<b>2740</b>	<b>2947</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	118	430	80
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less		300	
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	14	30	30
(4) Other	104	100	50
<b>SubTotal</b>	<b>118</b>	<b>430</b>	<b>80</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			60
C. Data Communications			
D. Operations			
E. Maintenance	37	0	105
(1) Hardware	37	0	105
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities			
G. Studies and Other:	6932	12885	5265
(1) Studies	6828	12785	5215
(2) Commercial Training			
(3) Other	104	100	50
H. Significant Use of Information Technology			
SubTotal	6969	12885	5430
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
Total Obligations	10637	16055	21080
Workyears	59	59	59
Appropriation/Fund			
3080	875		12623
3400	9762	16055	8457

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

The Air Force Command System (AFC2S) program is a high-priority which will modernize Air Force standard and command-unique command and control systems that currently process on Honeywell 6000/DPS series of host computers at Air Force Worldwide Military Command and Control System (WWCCS) locations. AFC2S will provide timely, accurate, and consistent C2 information to war planners and top-level decision makers, correcting major weaknesses in our conventional warfare planning and execution process. These improvements will apply to the full range of Air Force C2 functions to include force capability, air operations, air refueling, airlift and deployment, mobilization, manpower, logistics, munitions, and communications. AFC2S will interface with the Joint Operation Planning and Execution System (JOPES).

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**Central Design Activity Name and Location:** Standard Systems Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Cargo Movement Operations System (CMOS), 128

**Life Cycle Management Phase:** Acquisition Milestone III

**Warner Exempt:** Yes

**CIM Functional Area:** Info Mgt Resources/Info Technology

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	15017	1190	0
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>15017</b>	<b>1190</b>	<b>0</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	397	390	413
(1) General Management	0	0	0
(2) Other	397	390	413
<b>B. Workyears</b>	9	9	9
(1) General Management			
(2) Other	9	9	9
<b>C. Travel (\$000)</b>	138	995	2026
<b>SubTotal</b>	<b>535</b>	<b>1385</b>	<b>2439</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>	0	0	0
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	131	90	90
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	16	20	20
(4) Other	115	70	70
<b>SubTotal</b>	<b>131</b>	<b>90</b>	<b>90</b>



**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	21	30	30
(1) Hardware	21	30	30
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities			
G. Studies and Other:	2648	2987	2092
(1) Studies	2648	2987	2092
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	2669	3017	2122
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments	3		
B. Offsetting Collections			
SubTotal	3	0	0
<b>Total Obligations</b>	<b>18355</b>	<b>5682</b>	<b>4651</b>
<b>Workyears</b>	<b>9</b>	<b>9</b>	<b>9</b>
<b>Appropriation/Fund</b>			
3080	15017	1190	
3400	3338	4492	4651

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

Cargo Movement Operations System (CMOS) is a top-down directed program (DEPSECDEF Memorandum, 7 Sep 84) that automates the peace time and go-to-war capabilities of base-level cargo movement operations. CMOS contributes to five major DOD objectives: (1) Major component in the Air Force's compliance with FY86 Defense Guidance mandated Transportation Coordinators - Automated Information for Movement System (TC-AIMS), (2) Expands the use of Logistics Marking and Reading Symbology (LOGMARS) capability, (3) Introduces Electronic Data Interchange (EDI) at the base-level, (4) Provides a capability necessary to achieve in-transit item visibility, and (5) Will be a primary source of cargo movement information critical to Air Force Logistics Command, Control, and Communications (LOG C3).

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard Systems Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Defense Data Network (DDN), 150

**Life Cycle Management Phase:** Milestone V

**CIM Functional Area:** Info Mgt Tech Infra/Info Networks

**Warner Exempt:** Yes

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	1023	1114	2045
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>1023</b>	<b>1114</b>	<b>2045</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	428	413	450
(1) General Management			
(2) Other	428	413	450
<b>B. Workyears</b>	10	10	10
(1) General Management	0	0	0
(2) Other	10	10	10
<b>C. Travel (\$000)</b>	105	90	88
<b>SubTotal</b>	<b>533</b>	<b>503</b>	<b>538</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	238	60	66
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies			
(4) Other	238	60	66
<b>SubTotal</b>	<b>238</b>	<b>60</b>	<b>66</b>

# Report on Central Design Activity Automated Information System Cost

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	913	870	945
(1) Hardware	913	870	945
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
G. Studies and Other:	275	1185	1188
(1) Studies	275	1185	1188
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	1188	2055	2133
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
Total Obligations	2982	3732	4782
Workyears	10	10	10
Appropriation/Fund			
3080	1023	1111	2045
3400	1959	2621	2737

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

The DDN is a Department of Defense (DoD) common-user network. DDN uses packet switching technology.

The Air Force (AF) effort in support of the Defense Communications System (DCS) DDN program was specified in a 10 Mar 83 memorandum from the Office of the Undersecretary of Defense for Research and Engineering, Command, Control, Communications, and Intelligence (USDRE/C3I), subject DDN implementation.

"All DoD ADP systems and data networks requiring data communications services will be provided long-haul and area communications, interoperability by the DDN. Existing systems, systems being expanded and upgraded, and new ADP systems or data networks will become DDN subscribers. All such systems must be registered in the DDN's User Requirements Data Base (URDR)."

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard Systems Center (SSC), Maxwell AFB-Gunter Annex, AL  
**AIS Name and Number:** Base Level System Modernization (BLSM), 153  
**Life Cycle Management Phase:** Design/Development **Warner Exempt:** No  
**CIM Functional Area:** Info Mgt Resources/Info Technology **In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	585	15550	15524
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>585</b>	<b>15550</b>	<b>15524</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1472	1429	1542
(1) General Management			
(2) Other	1472	1429	1542
<b>B. Workyears</b>	34	34	34
(1) General Management			
(2) Other	34	34	34
<b>C. Travel (\$000)</b>	110	300	325
<b>SubTotal</b>	<b>1582</b>	<b>1729</b>	<b>1867</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>	0	510	0
<b>D. Supplies and Other:</b>	156	216	55
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less	0	0	0
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	3	214	20
(4) Other	153	2	35
<b>SubTotal</b>	<b>156</b>	<b>726</b>	<b>55</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	16	300	125
(1) Hardware	16	300	125
(2) Software			
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
<b>G. Studies and Other:</b>	2864	8231	9895
(1) Studies	2864	8231	9895
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	2880	8531	10020
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>Total Obligations</b>	5203	26536	27466
<b>Workyears</b>	34	34	34
<b>Appropriation/Fund</b>			
3080	585	15550	15524
3400	4618	10986	11942

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

The Base-Level Systems Modernization Program was created to re-engineer and redesign standard base-level computer systems which support base-level functions, as well as enhance war fighting capabilities. The program will modernize approximately 45 computer application systems consisting of 15 million-plus lines of code and involving 12 different functional areas. The modernized systems will provide the following: greater functionality for the users; interoperability and easier interfaces with other systems through enhanced data sharing and standardization; systems which can be modified easier and faster to meet changing mission requirements; and systems that can be ported to various hardware/software platforms in an open system environment.



**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard System Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Air Force Command & Control Network, 157

**Life Cycle Management Phase:** IV

**Warner Exempt:** Yes

**CIM Functional Area:** Command & Control/Strategic Command and Control

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	14953	0	9300
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>14953</b>	<b>0</b>	<b>9300</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1070	1032	1125
(1) General Management			
(2) Other	1070	1032	1125
<b>B. Workyears</b>	25	25	25
(1) General Management			
(2) Other	25	25	25
<b>C. Travel (\$000)</b>	114	300	0
<b>SubTotal</b>	<b>1184</b>	<b>1332</b>	<b>1125</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	153	60	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	4	10	0
(4) Other	149	50	0
<b>SubTotal</b>	<b>153</b>	<b>60</b>	<b>0</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>	10	0	0
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	6	89	0
(1) Hardware	6	89	0
(2) Software			
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
<b>G. Studies and Other:</b>	313	390	0
(1) Studies	313	390	0
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	329	479	0
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>Total Obligations</b>	16619	1871	10425
<b>Workyears</b>	25	25	25
<b>Appropriation/Fund</b>			
3080	14953		9300
3400	1666	1871	1125

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**AFWAM is a service specific program to design, develop and implement the hardware necessary to support the Joint Operational Planning and Execution System (JOPES). It uses commercial off-the-shelf products and follows the open system approach and system architectures established by DSSO to completely overhaul the Air Force Worldwide Military Command and Control System. The first step in this was the replacement of the direct connection of terminals to the Honeywell mainframe through the use of a LAN , as well as the administration of the WWS contract. Future enhancements to the LAN include multi-level security, secure remote connections, connections to other networks, and complete implementation of standard network protocols.**

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard System Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Air Force Wing Command and Control System, 180

**Life Cycle Management Phase:** Development

**Warner Exempt:** Yes

**CIM Functional Area:** Command & Control/Tactical Command & Control

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	1615	0	13900
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000	1615		13900
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	1615	0	13900
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	978	940	1031
(1) General Management			
(2) Other	978	940	1031
<b>B. Workyears</b>	23	23	23
(1) General Management			
(2) Other	23	23	23
<b>C. Travel (\$000)</b>	299	277	408
<b>SubTotal</b>	1277	1217	1439
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>	132	132	113
<b>D. Supplies and Other:</b>	52	49	51
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	3	7	9
(4) Other	49	42	42
<b>SubTotal</b>	184	181	164

# Report on Central Design Activity Automated Information System Cost

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications	33	28	47
C. Data Communications			
D. Operations			
E. Maintenance	0	0	0
(1) Hardware			
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:			
(1) Purchase of Custom Applications Software of \$25,000 or Less	3586	2110	4266
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
G. Studies and Other:	3586	2110	4266
(1) Studies	0	0	0
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	3619	2138	4313
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments	4	4	15
B. Offsetting Collections			
SubTotal	4	4	15
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
Total Obligations	6699	3540	19831
Workyears	23	23	23
Appropriation/Fund			
3400	8314	3540	5931
3080	1615		13900

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

AF WCCS is a resource management, decision support system designed to allow personnel throughout the wing to maintain and disseminate the information required to make decisions at all levels. The system is designed to assist 20 functional areas in managing their critical information to control their resources and simultaneously ensure all other users of that information have access to it. The system also provides graphics capability to monitor resources, mission launches, and weather (local, area, or worldwide). It provides the capability to build briefing slides for the wing command and his battle staff. The capability to create, edit, print and send nearly 135 message text format messages is provided using Joint Message Handler. AF WCCS uses a distributed data base linked by a base-wide local area network to ensure reliability and survivability. The system is also easily deployable.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard Systems Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** Standard Base-Level Computer, YMA

**Life Cycle Management Phase:** Design/Development

**Warner Exempt:** Yes

**CIM Functional Area:** Info Mgt Resources/Info Technology

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	2805	2717	5467
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>2805</b>	<b>2717</b>	<b>5467</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1473	1407	1559
(1) General Management			
(2) Other	1473	1407	1559
<b>B. Workyears</b>	35	35	35
(1) General Management			
(2) Other	35	35	35
<b>C. Travel (\$000)</b>	16	28	35
<b>SubTotal</b>	<b>1489</b>	<b>1435</b>	<b>1594</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>	399	0	0
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	45	71	480
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less	0	61	460
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less	0		
(3) Supplies	0		
(4) Other	45	10	20
<b>SubTotal</b>	<b>444</b>	<b>71</b>	<b>480</b>

**Report on Central Design Activity Automated Information System Cost**

	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	0	43	300
(1) Hardware	0	43	300
(2) Software			
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
<b>G. Studies and Other:</b>	13082	10638	12656
(1) Studies	13082	10638	12656
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>13082</b>	<b>10681</b>	<b>12956</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7. Other Services</b>			
<b>A. Payments</b>	0	0	0
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>17820</b>	<b>14904</b>	<b>20497</b>
<b>Workyears</b>	<b>35</b>	<b>35</b>	<b>35</b>
<b>Appropriation/Fund</b>			
3080	2405	2717	5467
3400	15415	12187	15030



## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

The SBLC extends automated data processing support to base-level users through the year 2003 by acquiring upgradable/expandable hardware from a single contractor's series of software compatible automatic data processing equipment. It supports over 100 major air bases and approximately 265 smaller locations worldwide. The SBLC supports functional missions such as accounting and finance, maintenance, personnel, transportation, supply, and operations.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Standard Systems Center, MAFB-Gunter Annex, AL

**AIS Name and Number:** ADP Operations Consolidation (DMRD 924), 181

**Life Cycle Management Phase:** Design/Development

**Warner Exempt:** No

**CIM Functional Area:** Other/Infrastructure Specific CIM Efforts

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	64091	67943	
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000	0	0	0
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>64091</b>	<b>67943</b>	<b>0</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1274	1223	1344
(1) General Management			
(2) Other	1274	1223	1344
<b>B. Workyears</b>	30	30	30
(1) General Management			
(2) Other	30	30	30
<b>C. Travel (\$000)</b>	993	1220	800
<b>SubTotal</b>	<b>2267</b>	<b>2443</b>	<b>2144</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>	0	0	0
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	9339	6500	3000
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less	7541	5283	1398
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less	0	0	0
(3) Supplies	35	14	52
(4) Other	1763	1203	1550
<b>SubTotal</b>	<b>9339</b>	<b>6500</b>	<b>3000</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>	2	0	3000
<b>D. Operations</b>			
<b>E. Maintenance</b>	2409	4629	8250
(1) Hardware	2409	4629	8250
(2) Software	0	0	0
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
<b>G. Studies and Other:</b>	8726	8840	6551
(1) Studies	8726	8840	6551
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>11137</b>	<b>13469</b>	<b>17801</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>	13		10
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>13</b>	<b>0</b>	<b>10</b>
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>86847</b>	<b>90355</b>	<b>22955</b>
<b>Workyears</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>Appropriation/Fund</b>			
3080	64091	67943	
3400	22756	22412	22955

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

OSD directed a Defense Management Report Decision (DMRD) 924 study to examine the potential savings from consolidating and/or collocating automated data processing (ADP) operations and design activities. Air Force developed a plan, subsequently approved by OSD, which meets OSD objectives.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location: Standard Systems Center, MAFB-Gunter Annex, AL**

**AIS Name and Number: Defense Message System - Air Force (DMS-AF), YMD**

**Life Cycle Management Phase: 1**

**Warner Exempt: Yes**

**CIM Functional Area: Info Mgt Tech Infra/Info Networks**

**In DBOF: No**

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	3334	5819	27131
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000	0	0	0
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>3334</b>	<b>5819</b>	<b>27131</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1127	1070	1196
(1) General Management			
(2) Other	1127	1070	1196
<b>B. Workyears</b>	27	27	27
(1) General Management			
(2) Other	27	27	27
<b>C. Travel (\$000)</b>	266	0	870
<b>SubTotal</b>	<b>1393</b>	<b>1070</b>	<b>2066</b>
<b>3. Equipment Rental, Space, and Other     Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	1434	0	7839
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	28	0	50
(4) Other	1406		7789
<b>SubTotal</b>	<b>1434</b>	<b>0</b>	<b>7839</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	284	0	876
(1) Hardware	284	0	876
(2) Software	0	0	0
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
G. Studies and Other:	1262	0	85
(1) Studies	1262		85
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	1546	0	961
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>Total Obligations</b>	<b>7707</b>	<b>6889</b>	<b>37997</b>
<b>Workyears</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>Appropriation/Fund</b>			
3080	3334	5819	27131
3400	4373	1070	10866

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

Defense Message System (DMS) is an OSD downward directed program. It is a jointly developed DoD DMS Target Architecture and Implementation Strategy (TAIS). Defense Message System-Air Force (DMS-AF) is the Air Force portion of the program which implements the jointly developed DoD Target Architecture and Implementation Strategy. DMS-AF is an evolutionary architecture designed to replace the current collection of disjointed electronic message systems. It consists of many separate projects at base-level which will improve Air Force electronic messaging. The main feature of DMS-AF is the automation of Base Communications Centers (BCC), the proliferation of a standard E-Mail Host at all bases, migration to Government Open Systems Interconnection Profile (GOSIP), implementation of a Secure Data Network System (SDNS), and the evolution of a mature writer-to-reader message service.

**CENTRAL DESIGN ACTIVITY**  
**COMMUNICATIONS SYSTEMS CENTER**



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**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION:** Communications Systems Center, Deputate for Communications Software, Tinker AFB, OK

**In DBOF Business Area:** No

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	Subtotal	31147	7355	7381
<b>2. Commercial Contract Cost (\$000)</b>				
	Subtotal	11153	12729	7927
<b>3. Other Cost (\$000)</b>				
	Subtotal	1043	66	
<b>TOTAL CDA COST:</b>		<b>43343</b>	<b>20150</b>	<b>15308</b>

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		29173	6238	6863
<b>B. Workyears:</b>				
	In-House Civilian	138.00	94.00	94.00
	In-House Military	560.00	61.00	60.00
	Contractor Equivalent			
<b>TOTAL WORKYEARS</b>		<b>698.00</b>	<b>155.00</b>	<b>154.00</b>
<b>C. Customers Supported:</b>				
	DBOF			
	Non-DBOF	43343	20150	15308

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Communications Systems Center, Deputate for Communications Software, Tinker AFB, OK

**AIS Name and Number:** Weather Communications Systems (WCS), YKA

**Life Cycle Management Phase:** Operational

**CIM Functional Area:** Other/Other

**Warner Exempt:** Yes

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1143	3050	3382
(1) General Management		168	181
(2) Other	1143	2882	3201
<b>B. Workyears</b>	28	76	76
(1) General Management		4	4
(2) Other	28	72	72
<b>C. Travel (\$000)</b>			
<b>SubTotal</b>	1143	3050	3382
<b>3. Equipment Rental, Space, and Other   Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	1249	4174	1956
(1) Lease of Operating Systems and Communications Software	1249	4174	1956
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	173	202	136
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less	37	66	
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	136	136	136
(4) Other			
<b>SubTotal</b>	1422	4376	2092

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	2796	3764	2419
(1) Hardware	2796	3764	2419
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities			
G. Studies and Other:	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	2796	3764	2419
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>Total Obligations</b>	<b>5361</b>	<b>11190</b>	<b>7893</b>
<b>Workyears</b>	<b>28</b>	<b>76</b>	<b>76</b>
<b>Appropriation/Fund</b>			
3400	4218	9010	54404
3500	1143	2180	2489

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

HQ CSC/SDF manages the development, implementation, maintenance, and modification of the automated telecommunications software in support of the Automated Digital Weather Switches (ADWS), the Automated Weather Network Communications Program (AWNCOM), the Weather Intercept Control Unit (WICU), the Weather Graphics Switches (WGS), and the Communications Front End Processor (CFEP).

Development includes assisting users in documenting requirements, development of feasibility studies, technical support of the acquisition process, maintenance and update of database and traffic routing and circuit tables, and the design, coding, testing, and implementation of computer programs.

Maintenance and modification of software includes analyzing deficiencies, identifying software and hardware errors, correcting system problems, correcting design deficiencies, applying configuration management principles, and updating databases.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Communications Systems Center , Deputate for Communications Software, Tinker AFB, OK

**AIS Name and Number:** Record Communications Systems (RCS), YKB

**Life Cycle Management Phase:** 3, 4, 5

**CIM Functional Area:** Other/Other

**Warner Exempt:** Yes

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	1836	961	382
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>1836</b>	<b>961</b>	<b>382</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	28030	3188	3480
(1) General Management		183	188
(2) Other	28030	3005	3292
<b>B. Workyears</b>	670	79	78
(1) General Management		4	4
(2) Other	670	75	74
<b>C. Travel (\$000)</b>			
<b>SubTotal</b>	<b>28030</b>	<b>3188</b>	<b>3480</b>
<b>3. Equipment Rental, Space, and Other     Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	1008	0	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less	1000		
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less	6		
(3) Supplies	2		
(4) Other			
<b>SubTotal</b>	<b>1008</b>	<b>0</b>	<b>0</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	7108	4791	3552
(1) Hardware	4378	2874	3312
(2) Software	2730	1917	240
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities			
G. Studies and Other:	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	7108	4791	3552
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>Total Obligations</b>	<b>37982</b>	<b>8940</b>	<b>7414</b>
<b>Workyears</b>	<b>670</b>	<b>79</b>	<b>78</b>
<b>Appropriation/Fund</b>			
3400	14436	5799	4587
3080	1836	961	382
3500	21710	2180	2445

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**Communications Support Processor (CSPP and CSP Back-Side Terminal (CBT)** currently provides formal telecommunications service to medium size BCCs processing Defense Special Security Communications System (DSSCS) or DSSCS;General Service (GENSER) message traffic. The replacement effort PC-Based systems (CBT/SAT) are purchased off DIA acquisition contract for the intelligence community.

**Air Force Automated Message Processing Exchange (AFAMPE):** Provide formal telecommunications capability at large BCCs. The target is to eliminate AFAMPEs using state-of-the-art hardware capable of supporting Defense Message Systems Air Force current/future architectures for communications.

**Personal AUTODIN Terminal System (PATS):** The PATS provides basic telecommunications service at low volume BCCs.

**Techniques In Communication (TEQCOM):** The TEQCOM board provides telecommunications service at low volume BCCs.

**Standard Automated Remote to AUTODIN Host (SARAH) Communications Terminal, SARAH-Lite Software and Follow-on/Replacement System:** Provide an interim technical solution to implement software for desktop preparation of message on floppy disk media and transmission via AUTODIN. The target is to use E-mail for writer-to-reader message service.

**Message Distribution Terminal (MDT):** MDTs provide base telecommunications capabilities to low and medium volume BCCs with cost-effective supportable systems. The MDT is currently being used to replace the SRT systems.



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**CENTRAL DESIGN ACTIVITY**  
**HQ AF MILITARY PERSONNEL CENTER**

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**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION: HQ Air Force Military Personnel Center, Randolph AFB, TX**

**In DBOF Business Area: No**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	Subtotal	37592	10979	8744
<b>2. Commercial Contract Cost (\$000)</b>				
	Subtotal	5855	5967	4371
<b>3. Other Cost (\$000)</b>				
	Subtotal			
<b>TOTAL CDA COST:</b>		<b>43447</b>	<b>16946</b>	<b>13115</b>

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		8135	7797	8586
<b>B. Workyears:</b>				
	In-House Civilian	60.00	60.00	60.00
	In-House Military	132.00	132.00	132.00
<b>TOTAL WORKYEARS</b>		<b>192.00</b>	<b>192.00</b>	<b>192.00</b>
<b>C. Customers Supported:</b>				
	DBOF			
	Non-DBOF	43361	16729	12573

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** HQ Air Force Military Personnel Center (AFMPC), Randolph AFB, TX

**AIS Name and Location:** Personnel Concepts III (PC-III) AIS 021

**Life Cycle Management Phase:** 3

**Warner Exempt:** No

**CIM Functional Area:** Human Resources/Civilian Personnel

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	28774	2946	
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>28774</b>	<b>2946</b>	<b>0</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1702	1913	566
(1) General Management	289	278	113
(2) Other	1413	1635	453
<b>B. Workyears</b>	40	40	10
(1) General Management	6	6	2
(2) Other	34	34	8
<b>C. Travel (\$000)</b>	650	200	100
<b>SubTotal</b>	<b>2352</b>	<b>2113</b>	<b>666</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	29	30	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	29	30	
(4) Other			
<b>SubTotal</b>	<b>29</b>	<b>30</b>	<b>0</b>

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION: HQ Air Force Military Personnel Center, Randolph AFB, TX**

**In DBOF Business Area: No**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	Subtotal	37592	10979	8744
<b>2. Commercial Contract Cost (\$000)</b>				
	Subtotal	5855	5967	4371
<b>3. Other Cost (\$000)</b>				
	Subtotal			
<b>TOTAL CDA COST:</b>		<b>43447</b>	<b>16946</b>	<b>13115</b>

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		8135	7797	8586
<b>B. Workyears:</b>				
	In-House Civilian	60.00	60.00	60.00
	In-House Military	132.00	132.00	132.00
<b>TOTAL WORKYEARS</b>		<b>192.00</b>	<b>192.00</b>	<b>192.00</b>
<b>C. Customers Supported:</b>				
	DBOF			
	Non-DBOF	43361	16729	12573

**Report on Central Design Activity Automated Information System Cost**

	FY 1994	FY 1995	FY 1996
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	3050	3096	3142
(1) Hardware	1949	1978	2008
(2) Software	1101	1118	1134
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	2087	2150	537
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	2087	2150	537
<b>G. Studies and Other:</b>	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>5137</b>	<b>5246</b>	<b>3679</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>36292</b>	<b>10335</b>	<b>4345</b>
<b>Workyears</b>	<b>40</b>	<b>40</b>	<b>10</b>
<b>Appropriation/Fund</b>			
3500	1061	994	218
3400	6457	6395	4127
3080	28774	2946	

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**Functions supported:** As another portion of the overall Personnel Data System, Personnel Concept III (PC-III) significantly improves personnel support to unit commanders, managers, supervisors, orderly rooms, major work centers, and personnel customers through automation of paper based information transfer between units and consolidated base personnel offices/central civilian personnel offices at Air Force active duty, Air National Guard, and Air Force Reserve units worldwide. PC-III will extend personnel support to unit commander level and allow end-users of the Personnel Data System to easily input and retrieve personnel data and to accomplish routine personnel actions electronically through computer devices in their work areas. It gives unit commanders instant and direct access to personnel information 24 hours a day, everyday, significantly enhancing unit readiness and personnel responsiveness to the unit mission. This system will reduce paperwork, eliminate duplicate workload (saving 1432 manpower spaces) and provide better service and more accurate, timely information to commanders, and personnel managers at all levels, with a savings of \$1,332.5M.



**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** HQ Air Force Military Personnel Center (AFMPC), Randolph AFB, TX  
**AIS Name and Number:** Base Level Personnel System, Personnel Data System (PDS) AIS 105  
**Life Cycle Management Phase:** 5 **Warner Exempt:** No  
**CIM Functional Area:** Human Resources/Civilian Personnel **In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	6432	5961	8132
(1) General Management	650	622	838
(2) Other	5782	5339	7294
<b>B. Workyears</b>	152	152	182
(1) General Management	14	14	17
(2) Other	138	138	165
<b>C. Travel (\$000)</b>	34	36	58
<b>SubTotal</b>	6466	5997	8190
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	56	56	56
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	56	56	56
(4) Other			
<b>SubTotal</b>	56	56	56

# Report on Central Design Activity Automated Information System Cost

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>	196	196	196
<b>E. Maintenance</b>	437	439	440
(1) Hardware	313	314	315
(2) Software	124	125	125
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities			
<b>G. Studies and Other:</b>	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	633	635	636
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	0	0	0
<b>Total Obligations</b>	7155	6688	8882
<b>Workyears</b>	152	152	182
<b>Appropriation/Fund</b>			
3500	4325	4054	5545
3400	2830	2634	3337

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**Functions supported:** The Personnel Data System is an integrated, vertical, worldwide, automated system using state-of-the-art technology for collecting, processing, storing, and communicating information for the management of Air Force Personnel. PDS serves all aspects of the Personnel "Life Cycle" from planning through procurement and training to separation/retirement.

The Base Level Personnel System (BLPS) resides on Phase IV Sperry 220/400 computers and is used to manage all Air Force personnel (military, civilian, Guard, Reserve) at all base level units. The entire Air Force's personnel system depends on BLPS. All information/actions are worked through and managed by the BLPS which is a key part of the total PDS. The Air Force's Base Level Personnel System is also used by the Departments of Navy, Treasury, and over 100 other federal agencies for managing their civilian employees.

Since the 1960s, personnel staffing has been reduced from 4.2 to a forecasted 1.8 persons per 100 serviced in FY93 through a series of organization initiatives, management processes, and PDS automation (approximately 4000 manpower spaces directly attributable to PDS manpower pay back alone). Thus, personnel support is totally dependent on existing systems for day-to-day effectiveness.

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**CENTRAL DESIGN ACTIVITY**  
**HQ AIR FORCE MATERIEL COMMAND**

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**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION:** HQ Air Force Materiel Command, Wright-Patterson AFB, OH

**In DBOF Business Area:** Yes

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	Subtotal	32948	19757	14164
<b>2. Commercial Contract Cost (\$000)</b>				
	Subtotal	14296	32964	25284
<b>3. Other Cost (\$000)</b>				
	Subtotal			
<b>TOTAL CDA COST:</b>		47244	52721	39448

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		13184	14095	13736
<b>B. Workyears:</b>				
	In-House Civilian	279.00	293.00	276.00
	In-House Military	10.00	16.00	16.00
	Contractor Equivalent			
<b>TOTAL WORKYEARS</b>		289.00	309.00	292.00
<b>C. Customers Supported:</b>				
	DBOF	25333	25348	20781
	Non-DBOF	21911	27373	18667

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location: HQ AFMC**

**AIS Name and Number: Contracting Data Management System, 003**

**Life Cycle Management Phase: II**

**Warner Exempt: Yes**

**CIM Functional Area: Procurement/Contract Administration**

**In DBOF: Yes**

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1831	412	376
(1) General Management	732	137	141
(2) Other	1099	275	235
<b>B. Workyears</b>	40	9	8
(1) General Management	16	3	3
(2) Other	24	6	5
<b>C. Travel (\$000)</b>	5	8	10
<b>SubTotal</b>	1836	420	386
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	249	43	169
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	249	43	169
(4) Other			
<b>SubTotal</b>	249	43	169



**Report on Central Design Activity Automated Information System Cost**

	<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	356	1178	
(1) Hardware	356	211	197
(2) Software		967	
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	2230	1911	1458
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	2230	1911	1458
<b>G. Studies and Other:</b>	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>2586</b>	<b>3089</b>	<b>1655</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>4671</b>	<b>3552</b>	<b>2210</b>
<b>Workyears</b>	<b>40</b>	<b>9</b>	<b>8</b>
<b>Appropriation/Fund</b>			
3400	2549	463	555
4930	2122	3089	1655

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

Provides the buyer and contracting officer individual solicitations for items to be purchased; provides more accurate tracking of funds and material due-in status.

**NOTE:** The software design and development for CDMS is being acquired through contract support.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location: HQ AFMC**

**AIS Name and Number: Requirements Data Bank System, 004**

**Life Cycle Management Phase: III**

**CIM Functional Area: Materiel/Materiel Management**

**Warner Exempt: Yes**

**In DBOF: Yes**

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	19236	5357	
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>	120	123	13
<b>SubTotal</b>	<b>19356</b>	<b>5480</b>	<b>13</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	3155	5180	5121
(1) General Management	865	875	887
(2) Other	2290	4305	4234
<b>B. Workyears</b>	69	113	109
(1) General Management	19	19	19
(2) Other	50	94	90
<b>C. Travel (\$000)</b>	50	46	122
<b>SubTotal</b>	<b>3205</b>	<b>5226</b>	<b>5243</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	0	0	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies			
(4) Other			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	1460	5530	11177
(1) Hardware			
(2) Software	1460	5530	11177
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	2620	8397	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	2620	8397	0
<b>G. Studies and Other:</b>	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>4080</b>	<b>13927</b>	<b>11177</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>	-1407	-8397	
<b>SubTotal</b>	<b>-1407</b>	<b>-8397</b>	<b>0</b>
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>5878</b>	<b>16236</b>	<b>16240</b>
<b>Workyears</b>	<b>69</b>	<b>113</b>	<b>109</b>
<b>Appropriation/Fund</b>			
3400	3164	10630	4976
3500	122	76	87
4930	2673	5530	11177

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

Computes the quantities and prepares budgets for material needed for logistics support of weapon systems and items.

NOTE: The software design and development for RDB is being acquired through contract support.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location: HQ AFMC**

**AIS Name and Location: Stock Control & Distribution, 006**

**Life Cycle Management Phase: V**

**CIM Functional Area: Materiel/Distribution Operations**

**Warner Exempt: Yes**

**In DBOF: Yes**

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	3562	3839	3619
(1) General Management	41	404	420
(2) Other	3521	3435	3199
<b>B. Workyears</b>	77	84	77
(1) General Management	1	9	9
(2) Other	76	75	68
<b>C. Travel (\$000)</b>			
<b>SubTotal</b>	3562	3839	3619
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	0	0	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies			
(4) Other			
<b>SubTotal</b>	0	0	0

# Report on Central Design Activity Automated Information System Cost

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	12112	8095	7949
(1) Hardware	3037		
(2) Software	9075	8095	7949
F. Systems Analysis, Programming, Design, and Engineering:	0	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	0	0	0
G. Studies and Other:	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	4080	13927	7949
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>Total Obligations</b>	<b>15674</b>	<b>11934</b>	<b>11568</b>
<b>Workyears</b>	<b>77</b>	<b>84</b>	<b>77</b>
<b>Appropriation/Fund</b>			
3400	3521	3801	3576
3500	41	38	43
4930	12112	8095	7949

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

SC&D processes requisitions and reports status to customers; controls the storage, allocation, and movement of AFMC inventories.



**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location: HQ AFMC**

**AIS Name and Number: Depot Maintenance Management Information System, 007**

**Life Cycle Management Phase: III**

**Warner Exempt: Yes**

**CIM Functional Area: Materiel/Depot Maintenance**

**In DBOF: Yes**

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	2321	2336	2385
(1) General Management	2321	787	930
(2) Other		1549	1455
<b>B. Workyears</b>	51	52	49
(1) General Management	51	18	18
(2) Other		34	31
<b>C. Travel (\$000)</b>			
<b>SubTotal</b>	2321	2336	2285
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	0	0	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies			
(4) Other			
<b>SubTotal</b>	0	0	0

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	0	0	0
(1) Hardware			
(2) Software			
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	32000	79	15
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	32000	79	15
<b>G. Studies and Other:</b>	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>32000</b>	<b>79</b>	<b>15</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>	-32000	-79	-15
<b>SubTotal</b>	<b>-32000</b>	<b>-79</b>	<b>-15</b>
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>2321</b>	<b>2336</b>	<b>2285</b>
<b>Workyears</b>	<b>51</b>	<b>52</b>	<b>49</b>
<b>Appropriation/Fund</b>			
3400	2199	2107	2020
3500	122	229	265

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**DMMIS Encompasses AFMC's function of repairing of modifying Air Force systems, sub-assemblies, or repairable components.**

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** HQ AFMC

**AIS Name and Number:** Reliability & Maintainability Information System Cost, 012

**Life Cycle Management Phase:** III

**Warner Exempt:** Yes

**CIM Functional Area:** Materiel/Maintenance Data Collection

**In DBOF:** Yes

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1045	1191	1250
(1) General Management	865	466	500
(2) Other	214	725	750
<b>B. Workyears</b>	24	27	27
(1) General Management	22	11	11
(2) Other	2	16	16
<b>C. Travel (\$000)</b>	102	73	87
<b>SubTotal</b>	1181	1264	1337
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	2	12	13
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies	2	12	13
(4) Other			
<b>SubTotal</b>	2	12	13

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	696	717	0
(1) Hardware	696	717	
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:	8530	8883	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	8530	8883	
G. Studies and Other:	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
H. Significant Use of Information Technology			
SubTotal	9226	9600	0
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections	-800	-966	
SubTotal	-800	-966	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>Total Obligations</b>	<b>9607</b>	<b>9910</b>	<b>1350</b>
<b>Workyears</b>	<b>24</b>	<b>27</b>	<b>27</b>
<b>Appropriation/Fund</b>			
3400	1018	1047	1088
3500	163	229	262
4930	8426	8634	

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

REMIS Provides an automated system to receive, process, store and retrieve performance information on Air Force weapon systems and equipment.

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** HQ AFMC

**AIS Name and Number:** Air Force Equipment Management System, 013

**Life Cycle Management Phase:** IV

**Warner Exempt:** Yes

**CIM Functional Area:** Information Management/Information Services

**In DBOF:** Yes

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>			
<b>B. Purchase of Software:</b>	0	0	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000			
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	0	0	0
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	1236	1137	1085
(1) General Management			
(2) Other	1236	1137	1085
<b>B. Workyears</b>	28	25	23
(1) General Management		5	5
(2) Other	28	20	18
<b>C. Travel (\$000)</b>			14
<b>SubTotal</b>	1236	1137	1099
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>		14	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies		14	
(4) Other			
<b>SubTotal</b>		14	0

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	33	7616	4736
(1) Hardware	33	33	33
(2) Software		7583	4703
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	7824	0	0
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	7824		
<b>G. Studies and Other:</b>	0	0	0
(1) Studies			
(2) Commercial Training			
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>7857</b>	<b>7616</b>	<b>4736</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>9093</b>	<b>8753</b>	<b>5835</b>
<b>Workyears</b>	<b>28</b>	<b>25</b>	<b>23</b>
<b>Appropriation/Fund</b>			
3400	9052	8715	5791
3500	41	38	44



## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**AFEMS Provides real-time world-wide asset availability for the distribution of Air Force equipment to units having need and priority.**

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**CENTRAL DESIGN ACTIVITY**  
**HQ AIR INTELLIGENCE AGENCY**

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**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION:** Communications-Computer Systems, Kelly AFB, TX

**In DBOF Business Area:** No

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	Subtotal	11890	9381	10478
<b>2. Commercial Contract Cost (\$000)</b>				
	Subtotal	10077	12277	7569
<b>3. Other Cost (\$000)</b>				
	Subtotal			
<b>TOTAL CDA COST:</b>		<b>19740</b>	<b>17726</b>	<b>14521</b>

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		6671.7	6264.5	7130.5
<b>B. Workyears:</b>				
	In-House Civilian	4.00	4.00	4.00
	In-House Military	159.00	159.00	159.00
<b>TOTAL WORKYEARS</b>		<b>163.00</b>	<b>163.00</b>	<b>163.00</b>
<b>C. Customers Supported:</b>				
	DBOF			
	Non-DBOF			
	3400	10971	12929	8175
	3500	6671.7	6264.5	7130.5

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Communications-Computers Systems, Kelly AFB TX

**AIS Name and Number:** AFIC Communications-Computer Systems, USC

**Life Cycle Management Phase:** Operational

**Warner Exempt:** Yes

**CIM Functional Area:** Command & Control /C2 Support System

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	584	300	200
<b>B. Purchase of Software:</b>	115	75	175
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000	115	75	175
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>699</b>	<b>375</b>	<b>375</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	5519	5178	5901
(1) General Management	1234	1163	1317
(2) Other	4285	4016	4585
<b>B. Workyears</b>	135	135	135
(1) General Management	30	30	30
(2) Other	105	105	105
<b>C. Travel (\$000)</b>	21	30	30
<b>SubTotal</b>	<b>5540</b>	<b>5208</b>	<b>5931</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	0	0	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies			
(4) Other			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Report on Central Design Activity Automated Information System Cost**

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	4245	5062	6071
(1) Hardware	1867	2470	3270
(2) Software	2378	2592	2801
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	400	478	520
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	400	478	520
<b>G. Studies and Other:</b>	21	25	25
(1) Studies			
(2) Commercial Training	21	25	25
(3) Other			
<b>H. Significant Use of Information Technology</b>			
<b>SubTotal</b>	<b>4666</b>	<b>5565</b>	<b>6616</b>
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Obligations</b>	<b>10905</b>	<b>11148</b>	<b>12922</b>
<b>Workyears</b>	<b>135</b>	<b>135</b>	<b>135</b>
<b>Appropriation/Fund 3400</b>	<b>6620</b>	<b>7132</b>	<b>8338</b>

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**Operates and maintains AFIC Communications and computer systems in support of AFIC mission and to support data processing requirements.**



**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** Constant WEB, Kelly AFB TX

**AIS Name and Number:** AFIC Communications-Computer Systems, USC

**Life Cycle Management Phase:** Operational

**Warner Exempt:** Yes

**CIM Functional Area:** Command & Control/C2 Support Systems

**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	147	23	0
<b>B. Purchase of Software:</b>	40	25	0
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000	40	400	300
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>187</b>	<b>48</b>	<b>0</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	631	603	668
(1) General Management	173	168	181
(2) Other	458	435	487
<b>B. Workyears</b>	15	15	15
(1) General Management	4	4	4
(2) Other	11	11	11
<b>C. Travel (\$000)</b>	32	53	40
<b>SubTotal</b>	<b>656</b>	<b>643</b>	<b>709</b>
<b>3. Equipment Rental, Space, and Other     Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	0	0	0
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less			
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less			
(3) Supplies			
(4) Other			
<b>SubTotal</b>	<b>0</b>	<b>0</b>	<b>0</b>

# Report on Central Design Activity Automated Information System Cost

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
<b>A. ADPE Time</b>			
<b>B. Voice Communications</b>			
<b>C. Data Communications</b>			
<b>D. Operations</b>			
<b>E. Maintenance</b>	875	882	842
(1) Hardware	511	422	422
(2) Software	364	460	420
<b>F. Systems Analysis, Programming, Design, and Engineering:</b>	2693	496	616
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	2693	496	616
<b>G. Studies and Other:</b>	49	40	40
(1) Studies			
(2) Commercial Training	49	40	40
(3) Other			
<b>H. Significant Use of Information Technology</b>			
SubTotal	3617	1418	1498
<b>5. Inter-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
SubTotal	0	0	0
<b>7. Other Services</b>			
<b>A. Payments</b>			
<b>B. Offsetting Collections</b>			
SubTotal	0	0	0
<b>Total Obligations</b>	4460	2109	2206
<b>Workyears</b>	15	15	15
<b>Appropriation/Fund 3400</b>	3560	5153	3302

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

**Air Force Command Control and Communications Counter measures (C3(M) operational support system (Constant WEB). To consolidate, integrate, and disseminate C3CM data to all appropriate users through a common system.**

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**CENTRAL DESIGN ACTIVITY**  
**HQ UNITED STATES AIR FORCES EUROPE**

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**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION: HQ USAFE, Ramstein AB**

**In DBOF Business Area: No**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	<b>Subtotal</b>	<b>1247</b>	<b>1166</b>	<b>1298</b>
<b>2. Commercial Contract Cost (\$000)</b>				
	<b>Subtotal</b>	<b>786</b>	<b>809</b>	<b>844</b>
<b>3. Other Cost (\$000)</b>				
	<b>Subtotal</b>			
<b>TOTAL CDA COST:</b>		<b>2033</b>	<b>1975</b>	<b>2142</b>

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		<b>907</b>	<b>843</b>	<b>943</b>
<b>B. Workyears:</b>				
	<b>In-House Civilian</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>
	<b>In-House Military</b>	<b>15.00</b>	<b>15.00</b>	<b>15.00</b>
	<b>Contractor Equivalent</b>			
<b>TOTAL WORKYEARS</b>		<b>17.00</b>	<b>17.00</b>	<b>17.00</b>
<b>C. Customers Supported:</b>				
	<b>DBOF</b>			
	<b>Non-DBOF</b>	<b>2033</b>	<b>1975</b>	<b>2142</b>

**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE**

**Report on Central Design Activity Automated Information System Cost**

**CDA Name and Location:** HQ USAF/WPC, Ramstein AB, GE  
**AIS Name and Number:** Warrior Preparation Center (WPC), DTT  
**Life Cycle Management Phase:** Operations  
**CIM Functional Area:** Other/Other

**Warner Exempt:** No  
**In DBOF:** No

	FY 1993	FY 1994	FY 1995
<b>1. Capital Investments (\$000)</b>			
<b>A. Purchase of Hardware:</b>	138	154	139
<b>B. Purchase of Software:</b>	83	34	77
(1) Purchase of Operating Systems & Comm Software That Exceeds \$25,000	83	34	77
(2) Purchase of Custom Applications Software That Exceeds \$25,000			
(3) Purchase of Off-The-Shelf Applications Software That Exceeds \$25,000			
<b>C. Site or Facility</b>			
<b>SubTotal</b>	<b>221</b>	<b>188</b>	<b>216</b>
<b>2. Personnel and Travel:</b>			
<b>A. Compensation and Benefits (\$000)</b>	907	843	943
(1) General Management	286	268	306
(2) Other	621	575	637
<b>B. Workyears</b>	17	17	17
(1) General Management	4	4	4
(2) Other	13	13	13
<b>C. Travel (\$000)</b>	55	38	50
<b>SubTotal</b>	<b>962</b>	<b>881</b>	<b>993</b>
<b>3. Equipment Rental, Space, and Other Operating Costs (\$000):</b>			
<b>A. Lease of Hardware</b>			
<b>B. Lease of Software</b>	0	0	0
(1) Lease of Operating Systems and Communications Software			
(2) Lease of Applications Software			
<b>C. Space</b>			
<b>D. Supplies and Other:</b>	64	97	89
(1) Purchase of Off-The-Shelf Operating Systems & Communications Software of \$25,000 or less	5	5	5
(2) Purchase of Off-The-Shelf Applications Software of \$25,000 or Less	25	40	34
(3) Supplies	34	52	50
(4) Other			
<b>SubTotal</b>	<b>64</b>	<b>97</b>	<b>89</b>



# Report on Central Design Activity Automated Information System Cost

	FY 1993	FY 1994	FY 1995
<b>4. Commercial Services (\$000)</b>			
A. ADPE Time			
B. Voice Communications			
C. Data Communications			
D. Operations			
E. Maintenance	486	462	462
(1) Hardware	486	462	462
(2) Software			
F. Systems Analysis, Programming, Design, and Engineering:	176	221	254
(1) Purchase of Custom Applications Software of \$25,000 or Less			
(2) Design and/or Development of Services, Networks, or Facilities	176	221	254
G. Studies and Other:	124	126	128
(1) Studies	105	88	88
(2) Commercial Training	19	38	40
(3) Other			
H. Significant Use of Information Technology			
SubTotal	786	809	844
<b>5. Inter-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>6. Intra-agency Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
<b>7. Other Services</b>			
A. Payments			
B. Offsetting Collections			
SubTotal	0	0	0
Total Obligations	2033	1975	2142
Workyears	17	17	17
Appropriation/Fund			
3080	138	154	139
3400	1073	1062	1188
3500	822	759	821

## **Report on Central Design Activity Automated Information System Cost**

### **Narrative Statement:**

The WPC provides an operational environment to support commanders and staffs in training at the operational level, using interactive computer simulations capable of being conducted over the distributed wargaming system. The WPC assists commanders in meeting their training objectives, provides training feedback to commanders, and supports other requirements for computer wargaming. The WPC customers include US and NATO organizations.

**CENTRAL DESIGN ACTIVITY**  
**HQ AIR EDUCATION AND TRAINING COMMAND**

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**DEPARTMENT OF THE AIR FORCE  
FY95 BUDGET ESTIMATE  
CENTRAL DESIGN ACTIVITY SUMMARY**

**CDA NAME AND LOCATION: 338 Computer Squadron Randolph AFB, TX**

**In DBOF Business Area: No**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>1. In-House Cost (\$000)</b>				
	<b>Subtotal</b>	<b>6075</b>	<b>5728</b>	<b>5967</b>
<b>2. Commercial Contract Cost (\$000)</b>				
	<b>Subtotal</b>	<b>3</b>	<b>5</b>	<b>5</b>
<b>3. Other Cost (\$000)</b>				
	<b>Subtotal</b>			
<b>TOTAL CDA COST:</b>		<b>6078</b>	<b>5733</b>	<b>5972</b>

**In-House Personnel:**

		<b>FY 1993</b>	<b>FY 1994</b>	<b>FY 1995</b>
<b>A. Compensation and Benefits (\$000)</b>		<b>5944</b>	<b>5733</b>	<b>5972</b>
<b>B. Workyears:</b>				
	<b>In-House Civilian</b>	<b>62.00</b>	<b>60.00</b>	<b>56.00</b>
	<b>In-House Military</b>	<b>77.00</b>	<b>74.00</b>	<b>73.00</b>
	<b>Contractor Equivalent</b>			
<b>TOTAL WORKYEARS</b>		<b>139.00</b>	<b>134.00</b>	<b>129.00</b>
<b>C. Customers Supported:</b>				
	<b>DBOF</b>			
	<b>Non-DBOF</b>			
	<b>3400</b>	<b>6078</b>	<b>5733</b>	<b>5972</b>

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